; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/280,805
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Licata, Jane Massey
; REGISTRATION NUMBER: 32,257
; REFERENCE/DOCKET NUMBER: ISPH-0346
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 609-810-1515
; TELEFAX: 609-810-1454
; INFORMATION FOR SEQ ID NO: 239:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 base pairs
; TYPE: Nucleic Acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
; ANTI-SENSE: Yes
US-09-752-983-239

Query Match 1.2%; Score 14.8; DB 1; Length 20;
Best Local Similarity 88.9%; Pred. No. 2.1e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1017 TTCAAGTGTAACTTATTA 1034
|| || ||||||||||||
Db 18 TTTAAATGTAACTTATTA 1

RESULT 79
US-09-795-668-68/c
; Sequence 68, Application US/09795668
; Patent No. US20020045577A1
; GENERAL INFORMATION:
; APPLICANT: Stefansson, Hreinn
; APPLICANT: Steinthorsdottir, Valgerdur
; APPLICANT: Gulcher, Jeffrey R.
; TITLE OF INVENTION: HUMAN SCHIZOPHRENIA GENE
; FILE REFERENCE: 2345.2004-001
; CURRENT APPLICATION NUMBER: US/09/795,668
; CURRENT FILING DATE: 2001-02-28
; PRIOR APPLICATION NUMBER: US 09/515,716
; PRIOR FILING DATE: 2000-02-28
; NUMBER OF SEQ ID NOS: 1531
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 68
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-795-668-68

Query Match 1.2%; Score 14.8; DB 1; Length 20;
Best Local Similarity 88.9%; Pred. No. 2.1e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1352 GCTGTGTTGGTAGTGCTG 1369
|||||||| ||| |||||
Db 20 GCTGTGTTTGTATTGCTG 3

RESULT 80
US-09-795-686-68/c
; Sequence 68, Application US/09795686
; Patent No. US20020094954A1
; GENERAL INFORMATION:
; APPLICANT: Stefansson, Hreinn
; APPLICANT: Steinthorsdottir, Valgerdur
; APPLICANT: Gulcher, Jeffrey R.
; TITLE OF INVENTION: HUMAN SCHIZOPHRENIA GENE
; FILE REFERENCE: 2345.2005-001
; CURRENT APPLICATION NUMBER: US/09/795,686
; CURRENT FILING DATE: 2001-02-28
; PRIOR APPLICATION NUMBER: US 09/515,715
; PRIOR FILING DATE: 2000-02-28
; NUMBER OF SEQ ID NOS: 1531
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 68
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-795-686-68

Query Match 1.2%; Score 14.8; DB 1; Length 20;
Best Local Similarity 88.9%; Pred. No. 2.1e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1352 GCTGTGTTGGTAGTGCTG 1369
|||||||| ||| |||||
Db 20 GCTGTGTTTGTATTGCTG 3

RESULT 81
US-09-918-186A-239
; Sequence 239, Application US/09918186A
; Patent No. US20020137708A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Elizabeth J. Ackermann
; APPLICANT: Eric E. Swayze
; APPLICANT: Lex M. Cowsert
; TITLE OF INVENTION: ANTISENSE MODULATION OF SURVIVIN EXPRESSION
; FILE REFERENCE: ISPH-0585
; CURRENT APPLICATION NUMBER: US/09/918,186A
; CURRENT FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 09/496,694
; PRIOR FILING DATE: 2000-02-02
; PRIOR APPLICATION NUMBER: 09/286,407
; PRIOR FILING DATE: 1999-04-05
; PRIOR APPLICATION NUMBER: 09/163,162
; PRIOR FILING DATE: 1998-09-29
; NUMBER OF SEQ ID NOS: 250
; SEQ ID NO 239
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-918-186A-239

Query Match 1.2%; Score 14.8; DB 1; Length 20;
Best Local Similarity 88.9%; Pred. No. 2.1e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1039 ATTTATTATTTATGTATT 1056
| |||||||||| ||||||
Db 2 AGTTATTATTTTTGTATT 19

RESULT 82
US-09-918-186A-240
; Sequence 240, Application US/09918186A
; Patent No. US20020137708A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Elizabeth J. Ackermann
; APPLICANT: Eric E. Swayze
; APPLICANT: Lex M. Cowsert
; TITLE OF INVENTION: ANTISENSE MODULATION OF SURVIVIN EXPRESSION
; FILE REFERENCE: ISPH-0585
; CURRENT APPLICATION NUMBER: US/09/918,186A
; CURRENT FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 09/496,694
; PRIOR FILING DATE: 2000-02-02
; PRIOR APPLICATION NUMBER: 09/286,407
; PRIOR FILING DATE: 1999-04-05
; PRIOR APPLICATION NUMBER: 09/163,162

PRIOR FILING DATE: 1998-09-29
NUMBER OF SEQ ID NOS: 250
SEQ ID NO 240
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Antisense Oligonucleotide
IS-09-918-186A-240

Query Match 1.2%; Score 14.8; DB 1; Length 20;
Best Local Similarity 88.9%; Pred. No. 2.1e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1039 ATTTATTATTTATGTATT 1056
| |||||||||| ||||||
Db 3 AGTTATTATTTTTGTATT 20

RESULT 83
IS-09-780-172-33
Sequence 33, Application US/09780172
Patent No. US20020147163A1
GENERAL INFORMATION:
APPLICANT: Robert McKay
APPLICANT: Susan M. Freier
APPLICANT: Jacqueline Wyatt
TITLE OF INVENTION: ANTISENSE MODULATION OF CASEIN KINASE 2-ALPHA EXPRESSION
FILE REFERENCE: RTS-0159
CURRENT APPLICATION NUMBER: US/09/780,172
CURRENT FILING DATE: 2001-02-08
NUMBER OF SEQ ID NOS: 96
SEQ ID NO 33
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Antisense Oligonucleotide
IS-09-780-172-33

Query Match 1.2%; Score 14.8; DB 1; Length 20;
Best Local Similarity 88.9%; Pred. No. 2.1e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 393 AAATTCATTCTCTGTGGT 410
| |||| ||||||||||
Db 3 ACATTCCTTCTCTGTGGT 20

RESULT 84
IS-09-946-807-68/c
Sequence 68, Application US/09946807
Patent No. US20020165144A1
GENERAL INFORMATION:
APPLICANT: Stefansson, Hreinn
APPLICANT: Steinthorsdottir, Valgerdur
APPLICANT: Gulcher, Jeffrey R.
TITLE OF INVENTION: HUMAN SCHIZOPHRENIA GENE
FILE REFERENCE: 2345.2004-001
CURRENT APPLICATION NUMBER: US/09/946,807
CURRENT FILING DATE: 2001-09-05
PRIOR APPLICATION NUMBER: US/09/795,668
PRIOR FILING DATE: 2001-02-28
PRIOR APPLICATION NUMBER: US 09/515,716
PRIOR FILING DATE: 2000-02-28
NUMBER OF SEQ ID NOS: 1531
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 68
LENGTH: 20
TYPE: DNA
ORGANISM: Homo sapiens
IS-09-946-807-68

Query Match 1.2%; Score 14.8; DB 1; Length 20;
Best Local Similarity 88.9%; Pred. No. 2.1e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1352 GCTGTGTTGGTAGTGCTG 1369
|||||||| ||| |||||
Db 20 GCTGTGTTTGTATTGCTG 3

RESULT 85
US-10-159-856-54
; Sequence 54, Application US/10159856
; Publication No. US20030228689A1
; GENERAL INFORMATION:
; APPLICANT: Susan M. Freier
; APPLICANT: Kenneth W. Dobie
; TITLE OF INVENTION: ANTISENSE MODULATION OF G PROTEIN-COUPLED RECEPTOR KINASE 6 EXPR
; FILE REFERENCE: RTS-0365
; CURRENT APPLICATION NUMBER: US/10/159,856
; CURRENT FILING DATE: 2002-05-31
; NUMBER OF SEQ ID NOS: 134
; SEQ ID NO 54
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-159-856-54

Query Match 1.2%; Score 14.8; DB 1; Length 20;
Best Local Similarity 88.9%; Pred. No. 2.1e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 570 AATATCCAGAACATACTT 587
||| |||||||||| |||
Db 3 AATGTCCAGAACATCCTT 20

RESULT 86
US-10-033-742-27/c
; Sequence 27, Application US/10033742
; Publication No. US20030144225A1
; GENERAL INFORMATION:
; APPLICANT: James Karras
; APPLICANT: Thomas Condon
; TITLE OF INVENTION: ANTISENSE MODULATION OF MACROPHAGE INFLAMMATORY PROTEIN 3-ALPHA I
; FILE REFERENCE: ISPH-0623
; CURRENT APPLICATION NUMBER: US/10/033,742
; CURRENT FILING DATE: 2001-12-28
; NUMBER OF SEQ ID NOS: 32
; SEQ ID NO 27
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-033-742-27

Query Match 1.2%; Score 14.8; DB 1; Length 20;
Best Local Similarity 88.9%; Pred. No. 2.1e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1055 TTTATTTAAGCATCAAAT 1072
||| |||||||||||| ||
Db 18 TTTGTTTAAGCATCACAT 1

RESULT 87
US-10-005-344-239/c
; Sequence 239, Application US/10005344
; Publication No. US20030203862A1
; GENERAL INFORMATION:
; APPLICANT: Loren J. Miraglia

; APPLICANT: Pamela Nero
; APPLICANT: Mark J. Graham
; APPLICANT: Brett P. Monia
; APPLICANT: Erich Koller
; APPLICANT: MingYi Chiang
; APPLICANT: Mano Manoharan
; TITLE OF INVENTION: Antisense Modulation of mdm2 expression.
; FILE REFERENCE: ISPH-0622
; CURRENT APPLICATION NUMBER: US/10/005,344
; CURRENT FILING DATE: 2001-12-04
; PRIOR APPLICATION NUMBER: US 09/048,810
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: US 09/280,805
; PRIOR FILING DATE: 1999-03-26
; NUMBER OF SEQ ID NOS: 379
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 239
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-005-344-239

Query Match 1.2%; Score 14.8; DB 1; Length 20;
Best Local Similarity 88.9%; Pred. No. 2.1e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1017 TTCAAGTGTAACTTATTA 1034
|| || ||||||||||||
Db 18 TTTAAATGTAACTTATTA 1

RESULT 88
US-09-922-261-307
; Sequence 307, Application US/09922261
; Patent No. US20020111471A1
; GENERAL INFORMATION:
; APPLICANT: COGENT NEUROSCIENCE, Inc.
; APPLICANT: Lo, Donald C.
; APPLICANT: Barney, Shawn
; APPLICANT: Thomas, Mary Beth
; APPLICANT: Portbury, Stuart D.
; APPLICANT: Puranam, Kasturi
; APPLICANT: Katz, Lawrence C.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING
; TITLE OF INVENTION: AND TREATING CONDITIONS, DISORDERS, OR DISEASES INVOLVING
; TITLE OF INVENTION: CELL DEATH
; FILE REFERENCE: 10001-005-999
; CURRENT APPLICATION NUMBER: US/09/922,261
; CURRENT FILING DATE: 2001-08-03
; PRIOR APPLICATION NUMBER: US/09/461,697
; PRIOR FILING DATE: 1999-12-14
; NUMBER OF SEQ ID NOS: 466
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 307
; LENGTH: 21
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-922-261-307

Query Match 1.2%; Score 14.8; DB 1; Length 21;
Best Local Similarity 88.9%; Pred. No. 2.2e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 830 GGATTTTTTTCTGTTAAA 847
|||||||||||||| ||
Db 4 GGATTTTTTTCTGTGTAA 21

RESULT 89
US-10-085-906-530
; Sequence 530, Application US/10085906
; Publication No. US20030054371A1
; GENERAL INFORMATION:
; APPLICANT: Ying, Vincent
; APPLICANT: Wu, Paul
; APPLICANT: Gray, Gary S.
; TITLE OF INVENTION: POLYMORPHIC ELEMENTS IN THE
; TITLE OF INVENTION: COSTIMULATORY RECEPTOR LOCUS AND USES THEREOF
; FILE REFERENCE: GNN-5343CP2
; CURRENT APPLICATION NUMBER: US/10/085,906
; CURRENT FILING DATE: 2002-02-27
; PRIOR APPLICATION NUMBER: US 60/126,215
; PRIOR FILING DATE: 1999-03-25
; PRIOR APPLICATION NUMBER: US 09/534,061
; PRIOR FILING DATE: 2000-03-24
; PRIOR APPLICATION NUMBER: PCT/US00/07938
; PRIOR FILING DATE: 2000-03-24
; NUMBER OF SEQ ID NOS: 545
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 530
; LENGTH: 21
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-085-906-530

Query Match 1.2%; Score 14.8; DB 1; Length 21;
Best Local Similarity 88.9%; Pred. No. 2.2e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1044 TTATTTATGTATTTATTT 1061
|||||||| |||| ||||
Db 2 TTATTTATTTATTAATTT 19

RESULT 90
US-09-263-959-720/c
; Sequence 720, Application US/09263959
; Patent No. US20020150891A1
; GENERAL INFORMATION:
; APPLICANT: Hood, Leroy E.
; APPLICANT: Rowen, Lee
; APPLICANT: Koop, Ben F.
; TITLE OF INVENTION: DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH UTI
; NUMBER OF SEQUENCES: 1279
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Seed and Berry LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: US
; ZIP: 98104-7092
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/263,959
; FILING DATE: 05-MAR-1999
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: McMasters, David D.
; REGISTRATION NUMBER: 33,963
; REFERENCE/DOCKET NUMBER: 920010.426C2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 720:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 16 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-09-263-959-720

```
  Query Match             1.2%;  Score 14.4;  DB 1;  Length 16;
  Best Local Similarity   93.8%;  Pred. No. 2e+02;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1046 ATTTATGTATTTATTT 1061
              |||||| |||||||||
Db         16 ATTTATTTATTTATTT 1


RESULT 91
US-09-263-959-786
  Sequence 786, Application US/09263959
  Patent No. US20020150891A1
   GENERAL INFORMATION:
     APPLICANT:  Hood, Leroy E.
     APPLICANT:  Rowen, Lee
     APPLICANT:  Koop, Ben F.
     TITLE OF INVENTION:  DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH UTI
     NUMBER OF SEQUENCES:  1279
     CORRESPONDENCE ADDRESS:
       ADDRESSEE:  Seed and Berry LLP
       STREET:  6300 Columbia Center, 701 Fifth Avenue
       CITY:  Seattle
       STATE:  Washington
       COUNTRY:  US
       ZIP:  98104-7092
     COMPUTER READABLE FORM:
       MEDIUM TYPE:  Floppy disk
       COMPUTER:  IBM PC compatible
       OPERATING SYSTEM:  PC-DOS/MS-DOS
       SOFTWARE:  PatentIn Release #1.0, Version #1.25
     CURRENT APPLICATION DATA:
       APPLICATION NUMBER:  US/09/263,959
       FILING DATE:  05-MAR-1999
       CLASSIFICATION:
     ATTORNEY/AGENT INFORMATION:
       NAME:  McMasters, David D.
       REGISTRATION NUMBER:  33,963
       REFERENCE/DOCKET NUMBER:  920010.426C2
     TELECOMMUNICATION INFORMATION:
       TELEPHONE:  (206) 622-4900
       TELEFAX:  (206) 682-6031
   INFORMATION FOR SEQ ID NO:  786:
     SEQUENCE CHARACTERISTICS:
       LENGTH:  16 base pairs
       TYPE:  nucleic acid
       STRANDEDNESS:  single
       TOPOLOGY:  linear
US-09-263-959-786

  Query Match             1.2%;  Score 14.4;  DB 1;  Length 16;
  Best Local Similarity   93.8%;  Pred. No. 2e+02;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1047 TTTATGTATTTATTTA 1062
              ||||| ||||||||||
Db          1 TTTATTTATTTATTTA 16


RESULT 92
US-09-263-959-821/c
; Sequence 821, Application US/09263959
; Patent No. US20020150891A1
;  GENERAL INFORMATION:
;    APPLICANT:  Hood, Leroy E.
;    APPLICANT:  Rowen, Lee
;    APPLICANT:  Koop, Ben F.
;    TITLE OF INVENTION:  DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH UTI
;    NUMBER OF SEQUENCES:  1279
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Seed and Berry LLP
;      STREET:  6300 Columbia Center, 701 Fifth Avenue
;      CITY:  Seattle
;      STATE:  Washington
;      COUNTRY:  US
;      ZIP:  98104-7092
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/263,959
;      FILING DATE:  05-MAR-1999
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  McMasters, David D.
;      REGISTRATION NUMBER:  33,963
;      REFERENCE/DOCKET NUMBER:  920010.426C2
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (206) 622-4900
;      TELEFAX:  (206) 682-6031
;  INFORMATION FOR SEQ ID NO:  821:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  16 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-09-263-959-821

  Query Match             1.2%;  Score 14.4;  DB 1;  Length 16;
  Best Local Similarity   93.8%;  Pred. No. 2e+02;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1046 ATTTATGTATTTATTT 1061
              |||||| |||||||||
Db         16 ATTTATTTATTTATTT 1


RESULT 93
US-09-232-785-361/c
; Sequence 361, Application US/09232785
; Publication No. US20030049612A1
; GENERAL INFORMATION:
;  APPLICANT:  International Paper Co.
;  APPLICANT:  Echt, Craig. S
;  APPLICANT:  Nelson, C. Dana
;  TITLE OF INVENTION:  MICROSATELITE DNA MARKERS AND USES
;  TITLE OF INVENTION:  THEREOF
;  FILE REFERENCE:  4481/1E188US1
;  CURRENT APPLICATION NUMBER: US/09/232,785
;  CURRENT FILING DATE:  1999-01-19
;  PRIOR APPLICATION NUMBER:  09/232,884
;  PRIOR FILING DATE:  1999-01-15
;  NUMBER OF SEQ ID NOS:  397
;  SOFTWARE:  FastSEQ for Windows Version 3.0
; SEQ ID NO 361
;   LENGTH: 16
;   TYPE: DNA
;   ORGANISM: Pinus taeda L.
US-09-232-785-361

  Query Match             1.2%;  Score 14.4;  DB 1;  Length 16;
  Best Local Similarity   93.8%;  Pred. No. 2e+02;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1046 ATTTATGTATTTATTT 1061
              |||||| |||||||||
Db         16 ATTTATTTATTTATTT 1


RESULT 94
US-09-232-785-362/c
; Sequence 362, Application US/09232785
; Publication No. US20030049612A1
```

```
; GENERAL INFORMATION:
;  APPLICANT:  International Paper Co.
;  APPLICANT:  Echt, Craig. S
;  APPLICANT:  Nelson, C. Dana
;  TITLE OF INVENTION:  MICROSATELITE DNA MARKERS AND USES
;  TITLE OF INVENTION:  THEREOF
;  FILE REFERENCE:  4481/1E188US1
;  CURRENT APPLICATION NUMBER: US/09/232,785
;  CURRENT FILING DATE:  1999-01-19
;  PRIOR APPLICATION NUMBER:  09/232,884
;  PRIOR FILING DATE:  1999-01-15
;  NUMBER OF SEQ ID NOS:  397
;  SOFTWARE:  FastSEQ for Windows Version 3.0
; SEQ ID NO 362
;   LENGTH: 16
;   TYPE: DNA
;   ORGANISM: Pinus taeda L.
US-09-232-785-362

  Query Match             1.2%;  Score 14.4;  DB 1;  Length 16;
  Best Local Similarity   93.8%;  Pred. No. 2e+02;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1046 ATTTATGTATTTATTT 1061
              ||||||.|||||||||
Db         16 ATTTATTTATTTATTT 1


RESULT 95
US-10-001-835-18/c
; Sequence 18, Application US/10001835
; Publication No. US20020160387A1
; GENERAL INFORMATION:
;  APPLICANT: Salceda, Susana
;  APPLICANT:  Macina, Roberto
;  APPLICANT:  Recipon, Herve
;  APPLICANT:  Cafferkey, Robert
;  APPLICANT:  Sun, Yongming
;  APPLICANT:  Liu, Chenghua
;  TITLE OF INVENTION: Compositions and Methods Relating to Ovary Specific Genes and Pro
;  FILE REFERENCE: DEX-0277
;  CURRENT APPLICATION NUMBER: US/10/001,835
;  CURRENT FILING DATE:  2001-11-20
;  PRIOR APPLICATION NUMBER: 60/249,997
;  PRIOR FILING DATE: 2000-11-20
;  NUMBER OF SEQ ID NOS: 228
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 18
;   LENGTH: 16
;   TYPE: DNA
;   ORGANISM: Homo sapien
US-10-001-835-18

  Query Match             1.2%;  Score 14.4;  DB 1;  Length 16;
  Best Local Similarity   93.8%;  Pred. No. 2e+02;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1047 TTTATGTATTTATTTA 1062
              |||||.||||||||||
Db         16 TTTATTTATTTATTTA 1


RESULT 96
US-09-730-289B-127/c
; Sequence 127, Application US/09730289B
; Publication No. US20030050259A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Blatt, Larry
;  APPLICANT:  McSwiggen, Jim
;  TITLE OF INVENTION: Method and Reagent for Treatment of Cardiac Disease
;  FILE REFERENCE: MBHB00-864-A (400/006)
;  CURRENT APPLICATION NUMBER: US/09/730,289B
;  CURRENT FILING DATE:  2000-12-05
;  PRIOR APPLICATION NUMBER: US 60/169,100
;  PRIOR FILING DATE: 1999-12-06
;  NUMBER OF SEQ ID NOS: 3897
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 127
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-730-289B-127

  Query Match             1.2%;  Score 14.4;  DB 1;  Length 17;
  Best Local Similarity   93.8%;  Pred. No. 2.1e+02;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        631 TAATTTTTGAATATAA 646
              ||||||||||| ||||
Db         17 TAATTTTTGAAAATAA 2


RESULT 97
US-10-060-756A-1671/c
; Sequence 1671, Application US/10060756A
; Publication No. US20030046717A1
; GENERAL INFORMATION:
;  APPLICANT: Zhang, Jian
;  TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN
;  FILE REFERENCE: PB0177
;  CURRENT APPLICATION NUMBER: US/10/060,756A
;  CURRENT FILING DATE:  2002-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 09/864,761
;  PRIOR FILING DATE: 2001-05-23
;  PRIOR APPLICATION NUMBER: US 60/327,898
;  PRIOR FILING DATE: 2001-10-09
;  NUMBER OF SEQ ID NOS: 4804
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 1671
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-060-756A-1671

  Query Match             1.2%;  Score 14.4;  DB 1;  Length 17;
  Best Local Similarity   93.8%;  Pred. No. 2.1e+02;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        676 ATACAAATAGCAAAAT 691
              ||| ||||||||||||
Db         17 ATAAAAATAGCAAAAT 2


RESULT 98
US-10-060-756A-1673/c
; Sequence 1673, Application US/10060756A
; Publication No. US20030046717A1
; GENERAL INFORMATION:
;  APPLICANT: Zhang, Jian
;  TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN
;  FILE REFERENCE: PB0177
;  CURRENT APPLICATION NUMBER: US/10/060,756A
;  CURRENT FILING DATE:  2002-01-30
```

PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: US 09/864,761
PRIOR FILING DATE: 2001-05-23
PRIOR APPLICATION NUMBER: US 60/327,898
PRIOR FILING DATE: 2001-10-09
NUMBER OF SEQ ID NOS: 4804
SOFTWARE: Aeomica Sequence Listing Engine
SEQ ID NO 1673
LENGTH: 17
TYPE: DNA
ORGANISM: Homo sapiens
S-10-060-756A-1673

Query Match 1.2%; Score 14.4; DB 1; Length 17;
Best Local Similarity 93.8%; Pred. No. 2.1e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

y 675 TATACAAATAGCAAAA 690
|||| ||||||||||
b 16 TATAAAAATAGCAAAA 1

ESULT 99
S-10-156-306-7038
Sequence 7038, Application US/10156306
Publication No. US20030119017A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, James
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
TITLE OF INVENTION: Levels of IKK-Gamma and PKR
FILE REFERENCE: MBHB01-664-A (400/050)
CURRENT APPLICATION NUMBER: US/10/156,306
CURRENT FILING DATE: 2002-05-28
NUMBER OF SEQ ID NOS: 8013
SOFTWARE: PatentIn version 3.0
SEQ ID NO 7038
LENGTH: 17
TYPE: RNA
ORGANISM: Homo sapiens
S-10-156-306-7038

Query Match 1.2%; Score 14.4; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 2.1e+02;
Matches 14; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

y 968 GAGGACATGTGGAAGC 983
|||||||:| ||||||
b 1 GAGGACAUGAGGAAGC 16

ESULT 100
S-09-969-373-4515
Sequence 4515, Application US/09969373
Patent No. US20020133852A1
GENERAL INFORMATION:
APPLICANT: Effertz, Roger J.
APPLICANT: Hauge, Brian M.
TITLE OF INVENTION: Soybean SSRs and Methods of Genotyping
FILE REFERENCE: 38-10(52679)A
CURRENT APPLICATION NUMBER: US/09/969,373
CURRENT FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: US 09/754,853
; PRIOR FILING DATE: 2001-01-05
; PRIOR APPLICATION NUMBER: US 09/760,427
; PRIOR FILING DATE: 2001-01-13
; PRIOR APPLICATION NUMBER: US 09/855,768
; PRIOR FILING DATE: 2001-05-15
; NUMBER OF SEQ ID NOS: 4593
; SEQ ID NO 4515
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Glycine max
US-09-969-373-4515

Query Match 1.2%; Score 14.4; DB 1; Length 18;
Best Local Similarity 93.8%; Pred. No. 2.2e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 731 GGAATTGAATGGGTTT 746
|||||||||||||| ||
Db 3 GGAATTGAATGGGATT 18

RESULT 101
US-09-969-373-2073/c
; Sequence 2073, Application US/09969373
; Patent No. US20020133852A1
; GENERAL INFORMATION:
; APPLICANT: Effertz, Roger J.
; APPLICANT: Hauge, Brian M.
; TITLE OF INVENTION: Soybean SSRs and Methods of Genotyping
; FILE REFERENCE: 38-10(52679)A
; CURRENT APPLICATION NUMBER: US/09/969,373
; CURRENT FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: US 09/754,853
; PRIOR FILING DATE: 2001-01-05
; PRIOR APPLICATION NUMBER: US 09/760,427
; PRIOR FILING DATE: 2001-01-13
; PRIOR APPLICATION NUMBER: US 09/855,768
; PRIOR FILING DATE: 2001-05-15
; NUMBER OF SEQ ID NOS: 4593
; SEQ ID NO 2073
; LENGTH: 19
; TYPE: DNA
; ORGANISM: Glycine max
US-09-969-373-2073

Query Match 1.2%; Score 14.4; DB 1; Length 19;
Best Local Similarity 93.8%; Pred. No. 2.3e+02;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 791 ATAAATTTTGCCATAA 806
|||||||| |||||||
Db 19 ATAAATTTGGCCATAA 4

RESULT 102
US-10-205-309-186/c
; Sequence 186, Application US/10205309
; Publication No. US20030190635A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Alzheimer's Disease Using
; TITLE OF INVENTION: Interfering RNA
; FILE REFERENCE: 900/033
; CURRENT APPLICATION NUMBER: US/10/205,309
; CURRENT FILING DATE: 2002-10-25
; NUMBER OF SEQ ID NOS: 674
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 186
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence

```
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  Target sequence/siNA sense r
US-10-205-309-186

  Query Match             1.1%;  Score 14.2;  DB 1;  Length 19;
  Best Local Similarity   84.2%;  Pred. No. 2.5e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        968 GAGGACATGTGGAAGCACT 986
              ||||||||  ||||||  ||
Db         19 GAGGACATAAGGAAGCCCT 1


RESULT 103
US-10-205-309-511
; Sequence 511, Application US/10205309
; Publication No. US20030190635A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, James
;  TITLE OF INVENTION: RNA Interference Mediated Inhibition of Alzheimer's Disease Using
;  TITLE OF INVENTION:  Interfering RNA
;  FILE REFERENCE: 900/033
;  CURRENT APPLICATION NUMBER: US/10/205,309
;  CURRENT FILING DATE:  2002-10-25
;  NUMBER OF SEQ ID NOS: 674
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 511
;   LENGTH: 19
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  siNA antisense region
US-10-205-309-511

  Query Match             1.1%;  Score 14.2;  DB 1;  Length 19;
  Best Local Similarity   73.7%;  Pred. No. 2.5e+02;
  Matches   14;  Conservative    2;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        968 GAGGACATGTGGAAGCACT 986
              |||||||:  ||||||  |:
Db          1 GAGGACAUAAGGAAGCCCU 19


RESULT 104
US-10-067-534-8/c
; Sequence 8, Application US/10067534
; Publication No. US20020187538A1
; GENERAL INFORMATION:
;  APPLICANT: Essenberg, Margaret K.
;  APPLICANT:  Chen, Xiao-Ya
;  APPLICANT:  Luo, Ping
;  APPLICANT:  Wang, Yan-Hong
;  TITLE OF INVENTION: cDNA Clone of  (+)-Delta-Cadinene-8-Hydroxylase Gene from Cotton
;  FILE REFERENCE: 006602-113
;  CURRENT APPLICATION NUMBER: US/10/067,534
;  CURRENT FILING DATE:  2002-02-07
;  PRIOR APPLICATION NUMBER: US 60/267,160
;  PRIOR FILING DATE: 2001-02-07
;  NUMBER OF SEQ ID NOS: 19
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 8
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: primer
US-10-067-534-8

  Query Match             1.1%;  Score 14.2;  DB 1;  Length 19;
  Best Local Similarity   84.2%;  Pred. No. 2.5e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        563 ACCATGAAATATCCAGAAC 581
              |||||  ||||  |||||  ||
Db         19 ACCATCAAATCTCCAGCAC 1


RESULT 105
US-09-971-309-53
; Sequence 53, Application US/09971309
; Patent No. US20020106675A1
; GENERAL INFORMATION:
;  APPLICANT: UEMORI, Takashi
;  APPLICANT:  SATO, Yoshimi
;  APPLICANT:  FUJITA, Tomoko
;  APPLICANT:  MIYAKE, Kazue
;  APPLICANT:  MUKAI, Hiroyuki
;  APPLICANT:  ASADA, Kiyozo
;  APPLICANT:  KATO, Ikunoshin
;  TITLE OF INVENTION: DNA POLYMERASE-RELATED FACTORS
;  FILE REFERENCE: 1422-0494P
;  CURRENT APPLICATION NUMBER: US/09/971,309
;  CURRENT FILING DATE:  2001-10-05
;  PRIOR APPLICATION NUMBER: US 09/446,504
;  PRIOR FILING DATE: 1999-12-23
;  PRIOR APPLICATION NUMBER: PCT/JP98/02845
;  PRIOR FILING DATE: 1998-06-24
;  PRIOR APPLICATION NUMBER: JP 9-187496
;  PRIOR FILING DATE: 1997-06-26
;  PRIOR APPLICATION NUMBER: JP 9-320692
;  PRIOR FILING DATE: 1997-11-27
;  NUMBER OF SEQ ID NOS: 92
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 53
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic DNA
US-09-971-309-53

  Query Match             1.1%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 2.6e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        583 TACTTATATGTAAAGTATT 601
              | ||  ||||||||||||||
Db          1 TTCTGCTATGTAAAGTATT 19


RESULT 106
US-09-971-309-54/c
; Sequence 54, Application US/09971309
; Patent No. US20020106675A1
; GENERAL INFORMATION:
;  APPLICANT: UEMORI, Takashi
;  APPLICANT:  SATO, Yoshimi
;  APPLICANT:  FUJITA, Tomoko
;  APPLICANT:  MIYAKE, Kazue
;  APPLICANT:  MUKAI, Hiroyuki
;  APPLICANT:  ASADA, Kiyozo
;  APPLICANT:  KATO, Ikunoshin
;  TITLE OF INVENTION: DNA POLYMERASE-RELATED FACTORS
;  FILE REFERENCE: 1422-0494P
;  CURRENT APPLICATION NUMBER: US/09/971,309
;  CURRENT FILING DATE:  2001-10-05
;  PRIOR APPLICATION NUMBER: US 09/446,504
;  PRIOR FILING DATE: 1999-12-23
;  PRIOR APPLICATION NUMBER: PCT/JP98/02845
;  PRIOR FILING DATE: 1998-06-24
;  PRIOR APPLICATION NUMBER: JP 9-187496
;  PRIOR FILING DATE: 1997-06-26
;  PRIOR APPLICATION NUMBER: JP 9-320692
;  PRIOR FILING DATE: 1997-11-27
;  NUMBER OF SEQ ID NOS: 92
```

```
  SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO 54
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Description of Artificial Sequence: Synthetic DNA
S-09-971-309-54

 Query Match             1.1%;  Score 14.2;  DB 1;  Length 20;
 Best Local Similarity   84.2%;  Pred. No. 2.6e+02;
 Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

y        583 TACTTATATGTAAAGTATT 601
             | ||  |||||||||||||||
b         20 TTCTGCTATGTAAAGTATT 2


ESULT 107
S-09-780-172-56/c
 Sequence 56, Application US/09780172
 Patent No. US20020147163A1
 GENERAL INFORMATION:
  APPLICANT: Robert McKay
  APPLICANT:  Susan M. Freier
  APPLICANT:  Jacqueline Wyatt
  TITLE OF INVENTION: ANTISENSE MODULATION OF CASEIN KINASE 2-ALPHA EXPRESSION
  FILE REFERENCE: RTS-0159
  CURRENT APPLICATION NUMBER: US/09/780,172
  CURRENT FILING DATE:  2001-02-08
  NUMBER OF SEQ ID NOS: 96
 SEQ ID NO 56
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Antisense Oligonucleotide
S-09-780-172-56

 Query Match             1.1%;  Score 14.2;  DB 1;  Length 20;
 Best Local Similarity   84.2%;  Pred. No. 2.6e+02;
 Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

y        438 AAACTTCAAGCAAATCTAC 456
             | ||||||||||| | |||
b         19 AGACTTCAAGCAATTGTAC 1


ESULT 108
'S-09-865-866-108
 Sequence 108, Application US/09865866
 Publication No. US20030045487A1
 GENERAL INFORMATION:
  APPLICANT: C. Frank Bennett
  APPLICANT:  Jacqueline Wyatt
  TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOLIPASE A2, GROUP IIA (SYNOVIAL) EX
  FILE REFERENCE: RTS-0221
  CURRENT APPLICATION NUMBER: US/09/865,866
  CURRENT FILING DATE:  2001-05-25
  NUMBER OF SEQ ID NOS: 173
 SEQ ID NO 108
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Antisense Oligonucleotide
'S-09-865-866-108

 Query Match             1.1%;  Score 14.2;  DB 1;  Length 20;
 Best Local Similarity   84.2%;  Pred. No. 2.6e+02;
 Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

y        690 ATTGGGCCAAGGGCCAAGA 708
             |||| ||||| ||||| ||
Db         1 ATTGAGCCAAAGGCCATGA 19


RESULT 109
US-09-784-674-864/c
; Sequence 864, Application US/09784674
; Publication No. US20030054346A1
;   GENERAL INFORMATION:
;        APPLICANT: Shannon, Karen W.
;                   Wolber, Paul K.
;                   Delenstarr, Glenda C.
;                   Webb, Peter G.
;                   Kincaid, Robert H.
;        TITLE OF INVENTION: Methods for evaluating oligonucleotide
;                            probe sequences
;        NUMBER OF SEQUENCES: 1165
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Records Manager, Legal Department, Hewlett-Packard
;                        Company M/S 20BO
;             STREET: 3000 Hanover Street
;             CITY: Palo Alto
;             STATE: CA
;             COUNTRY: USA
;             ZIP: 94304
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.30
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/784,674
;             FILING DATE: 15-Feb-2001
;             CLASSIFICATION: No. US20030054346A1 available
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: 09/021,701
;             FILING DATE: 10-FEB-1998
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Choi, Wendy A.
;             REGISTRATION NUMBER: 36,697
;             REFERENCE/DOCKET NUMBER: 10971464-1
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: 650-236-2386
;             TELEFAX: 650-852-8063
;   INFORMATION FOR SEQ ID NO: 864:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 20 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        MOLECULE TYPE: cDNA
;        HYPOTHETICAL: NO
;        ANTI-SENSE: NO
;        SEQUENCE DESCRIPTION: SEQ ID NO: 864:
US-09-784-674-864

  Query Match             1.1%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 2.6e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       982 GCACTTTAAGTTTTTTCAT 1000
             |||||||||  ||||  |||
Db        20 GCACTTTAAATTTTCCCAT 2


RESULT 110
US-09-784-674-865/c
; Sequence 865, Application US/09784674
; Publication No. US20030054346A1
;   GENERAL INFORMATION:
;        APPLICANT: Shannon, Karen W.
;                   Wolber, Paul K.
;                   Delenstarr, Glenda C.
```

```
;                  Webb, Peter G.
;                  Kincaid, Robert H.
;       TITLE OF INVENTION: Methods for evaluating oligonucleotide
;                           probe sequences
;       NUMBER OF SEQUENCES: 1165
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: Records Manager, Legal Department, Hewlett-Packard
;                       Company M/S 20BO
;            STREET: 3000 Hanover Street
;            CITY: Palo Alto
;            STATE: CA
;            COUNTRY: USA
;            ZIP: 94304
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.30
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/784,674
;            FILING DATE: 15-Feb-2001
;            CLASSIFICATION: No. US20030054346A1 available
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: 09/021,701
;            FILING DATE: 10-FEB-1998
;       ATTORNEY/AGENT INFORMATION:
;            NAME: Choi, Wendy A.
;            REGISTRATION NUMBER: 36,697
;            REFERENCE/DOCKET NUMBER: 10971464-1
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: 650-236-2386
;            TELEFAX: 650-852-8063
;   INFORMATION FOR SEQ ID NO: 865:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 20 base pairs
;            TYPE: nucleic acid
;            STRANDEDNESS: single
;            TOPOLOGY: linear
;       MOLECULE TYPE: cDNA
;       HYPOTHETICAL: NO
;       ANTI-SENSE: NO
;       SEQUENCE DESCRIPTION: SEQ ID NO: 865:
US-09-784-674-865

  Query Match             1.1%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 2.6e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        982 GCACTTTAAGTTTTTTCAT 1000
              ||||||||| ||||  |||
Db         19 GCACTTTAAATTTTCCCAT 1


RESULT 111
US-09-784-674-869/c
; Sequence 869, Application US/09784674
; Publication No. US20030054346A1
;   GENERAL INFORMATION:
;       APPLICANT: Shannon, Karen W.
;                  Wolber, Paul K.
;                  Delenstarr, Glenda C.
;                  Webb, Peter G.
;                  Kincaid, Robert H.
;       TITLE OF INVENTION: Methods for evaluating oligonucleotide
;                           probe sequences
;       NUMBER OF SEQUENCES: 1165
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: Records Manager, Legal Department, Hewlett-Packard
;                       Company M/S 20BO
;            STREET: 3000 Hanover Street
;            CITY: Palo Alto
;            STATE: CA
;            COUNTRY: USA
;            ZIP: 94304
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.30
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/784,674
;            FILING DATE: 15-Feb-2001
;            CLASSIFICATION: No. US20030054346A1 available
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: 09/021,701
;            FILING DATE: 10-FEB-1998
;       ATTORNEY/AGENT INFORMATION:
;            NAME: Choi, Wendy A.
;            REGISTRATION NUMBER: 36,697
;            REFERENCE/DOCKET NUMBER: 10971464-1
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: 650-236-2386
;            TELEFAX: 650-852-8063
;   INFORMATION FOR SEQ ID NO: 869:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 20 base pairs
;            TYPE: nucleic acid
;            STRANDEDNESS: single
;            TOPOLOGY: linear
;       MOLECULE TYPE: cDNA
;       HYPOTHETICAL: NO
;       ANTI-SENSE: NO
;       SEQUENCE DESCRIPTION: SEQ ID NO: 869:
US-09-784-674-869

  Query Match             1.1%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 2.6e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        977 TGGAAGCACTTTAAGTTTT 995
              |||  |||||||| ||||
Db         20 TGGTTGCACTTTAAATTTT 2


RESULT 112
US-09-784-674-870/c
; Sequence 870, Application US/09784674
; Publication No. US20030054346A1
;   GENERAL INFORMATION:
;       APPLICANT: Shannon, Karen W.
;                  Wolber, Paul K.
;                  Delenstarr, Glenda C.
;                  Webb, Peter G.
;                  Kincaid, Robert H.
;       TITLE OF INVENTION: Methods for evaluating oligonucleotide
;                           probe sequences
;       NUMBER OF SEQUENCES: 1165
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: Records Manager, Legal Department, Hewlett-Packard
;                       Company M/S 20BO
;            STREET: 3000 Hanover Street
;            CITY: Palo Alto
;            STATE: CA
;            COUNTRY: USA
;            ZIP: 94304
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.30
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/784,674
;            FILING DATE: 15-Feb-2001
;            CLASSIFICATION: No. US20030054346A1 available
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: 09/021,701
```

FILING DATE: 10-FEB-1998
ATTORNEY/AGENT INFORMATION:
NAME: Choi, Wendy A.
REGISTRATION NUMBER: 36,697
REFERENCE/DOCKET NUMBER: 10971464-1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-236-2386
TELEFAX: 650-852-8063
INFORMATION FOR SEQ ID NO: 870:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
SEQUENCE DESCRIPTION: SEQ ID NO: 870:
S-09-784-674-870

Query Match 1.1%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 2.6e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

y 977 TGGAAGCACTTTAAGTTTT 995
||| ||||||||| ||||
o 19 TGGTTGCACTTTAAATTTT 1

ESULT 113
3-09-906-158-147
Sequence 147, Application US/09906158
Publication No. US20030078217A1
GENERAL INFORMATION:
APPLICANT: Brett P. Monia
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF TRANSFORMING GROWTH FACTOR-BETA 3 EXPRESS
FILE REFERENCE: RTS-0257
CURRENT APPLICATION NUMBER: US/09/906,158
CURRENT FILING DATE: 2001-07-14
NUMBER OF SEQ ID NOS: 168
SEQ ID NO 147
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Antisense Oligonucleotide
S-09-906-158-147

Query Match 1.1%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 2.6e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

y 486 TTGTAGGGTTGCCAGATGC 504
||||||||| ||| || ||
o 1 TTGTAGGGTAGCCCGAGGC 19

ESULT 114
3-10-159-834-29
Sequence 29, Application US/10159834
Publication No. US20030228688A1
GENERAL INFORMATION:
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF ISOPRENYLCYSTEINE CARBOXYL METHYLTRANSFER
TITLE OF INVENTION: EXPRESSION
FILE REFERENCE: RTS-0299
CURRENT APPLICATION NUMBER: US/10/159,834
CURRENT FILING DATE: 2002-05-31
NUMBER OF SEQ ID NOS: 130
SEQ ID NO 29
LENGTH: 20
TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-159-834-29

Query Match 1.1%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 2.6e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1007 ATAAATTATTTTCAAGTGT 1025
| || ||||||||||||||
Db 1 AAAAGATATTTTCAAGTGT 19

RESULT 115
US-10-024-396-76/c
; Sequence 76, Application US/10024396
; Publication No. US20030147864A1
; GENERAL INFORMATION:
; APPLICANT: Kenneth W. Dobie
; TITLE OF INVENTION: ANTISENSE MODULATION OF CD36L1 EXPRESSION
; FILE REFERENCE: RTS-0339
; CURRENT APPLICATION NUMBER: US/10/024,396
; CURRENT FILING DATE: 2001-12-18
; NUMBER OF SEQ ID NOS: 91
; SEQ ID NO 76
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-024-396-76

Query Match 1.1%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 2.6e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 813 ATTTAGCTGGAAATCCTGG 831
||||| || |||||||||
Db 19 ATTTATCTACAAATCCTGG 1

RESULT 116
US-10-044-423-1/c
; Sequence 1, Application US/10044423
; Publication No. US20030165862A1
; GENERAL INFORMATION:
; APPLICANT: Chou, Tze-Bin
; TITLE OF INVENTION: DROSOPHILA CLIPPED FRT (CFRT) CHROMOSOME
; TITLE OF INVENTION: INSENSITIVE TO P TRANSPOSASE, GENERATING METHOD THEREOF, AND
; TITLE OF INVENTION: APPLICATION THEREOF
; FILE REFERENCE: 529872000100
; CURRENT APPLICATION NUMBER: US/10/044,423
; CURRENT FILING DATE: 2002-09-05
; NUMBER OF SEQ ID NOS: 35
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Construct
US-10-044-423-1

Query Match 1.1%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 2.6e+02;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 985 CTTTAAGTTTTTTCATCAT 1003
| ||| ||| |||||||||
Db 20 CCTTATGTTATTTCATCAT 2

```
ESULT 117
S-09-843-377-81/c
 Sequence 81, Application US/09843377
 Publication No. US20030176371A1
 GENERAL INFORMATION:
  APPLICANT: C. Frank Bennett
  APPLICANT:  Andrew T. Watt
  TITLE OF INVENTION: ANTISENSE MODULATION OF INTERFERON GAMMA RECEPTOR 2 EXPRESSION
  FILE REFERENCE: RTS-0235
  CURRENT APPLICATION NUMBER: US/09/843,377
  CURRENT FILING DATE:  2001-04-26
  NUMBER OF SEQ ID NOS: 89
 SEQ ID NO 81
   LENGTH: 20
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Antisense Oligonucleotide
S-09-843-377-81

 Query Match             1.1%;  Score 14.2;  DB 1;  Length 20;
 Best Local Similarity   84.2%;  Pred. No. 2.6e+02;
 Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        437 GAAACTTCAAGCAAATCTA 455
              ||||||||  ||||  ||||
Db         19 GAAACTTCCAGCATTTCTA 1


ESULT 118
S-10-016-149-84/c
; Sequence 84, Application US/10016149
; Publication No. US20030100524A1
; GENERAL INFORMATION:
;  APPLICANT: C. Frank Bennett
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOLIPASE A2, GROUP V (CA2+-
;  TITLE OF INVENTION:  DEPENDENT) EXPRESSION
;  FILE REFERENCE: RTS-0325
;  CURRENT APPLICATION NUMBER: US/10/016,149
;  CURRENT FILING DATE:  2001-11-01
;  NUMBER OF SEQ ID NOS: 84
; SEQ ID NO 84
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-016-149-84

  Query Match             1.1%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 2.6e+02;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1174 TATTAGATAAATTTCAATC 1192
              |||||  |||||  ||||  ||
Db         19 TATTAAATAAAATTCATTC 1


RESULT 119
US-09-263-959-416/c
; Sequence 416, Application US/09263959
; Patent No. US20020150891A1
;  GENERAL INFORMATION:
;    APPLICANT:  Hood, Leroy E.
;    APPLICANT:  Rowen, Lee
;    APPLICANT:  Koop, Ben F.
;    TITLE OF INVENTION:  DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH UTI
;    NUMBER OF SEQUENCES:  1279
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Seed and Berry LLP
;      STREET:  6300 Columbia Center, 701 Fifth Avenue
;      CITY:  Seattle
;      STATE:  Washington
;      COUNTRY:  US
;      ZIP:  98104-7092
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/263,959
;      FILING DATE:  05-MAR-1999
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  McMasters, David D.
;      REGISTRATION NUMBER:  33,963
;      REFERENCE/DOCKET NUMBER:  920010.426C2
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (206) 622-4900
;      TELEFAX:  (206) 682-6031
;  INFORMATION FOR SEQ ID NO:  416:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  14 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-09-263-959-416

  Query Match             1.1%;  Score 14;  DB 1;  Length 14;
  Best Local Similarity   100.0%;  Pred. No. 2e+02;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1143 TTTATTTTATTTTA 1156
              ||||||||||||||
Db         14 TTTATTTTATTTTA 1


RESULT 120
US-09-263-959-499/c
; Sequence 499, Application US/09263959
; Patent No. US20020150891A1
;  GENERAL INFORMATION:
;    APPLICANT:  Hood, Leroy E.
;    APPLICANT:  Rowen, Lee
;    APPLICANT:  Koop, Ben F.
;    TITLE OF INVENTION:  DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH UTI
;    NUMBER OF SEQUENCES:  1279
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Seed and Berry LLP
;      STREET:  6300 Columbia Center, 701 Fifth Avenue
;      CITY:  Seattle
;      STATE:  Washington
;      COUNTRY:  US
;      ZIP:  98104-7092
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/263,959
;      FILING DATE:  05-MAR-1999
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  McMasters, David D.
;      REGISTRATION NUMBER:  33,963
;      REFERENCE/DOCKET NUMBER:  920010.426C2
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (206) 622-4900
;      TELEFAX:  (206) 682-6031
;  INFORMATION FOR SEQ ID NO:  499:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  15 base pairs
;      TYPE:  nucleic acid
```

STRANDEDNESS: single
TOPOLOGY: linear
S-09-263-959-499

Query Match 1.1%; Score 14; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

y 1207 AAACAAACAAACAA 1220
||||||||||||||
b 15 AAACAAACAAACAA 2

ESULT 121
S-09-263-959-695
Sequence 695, Application US/09263959
Patent No. US20020150891A1
GENERAL INFORMATION:
APPLICANT: Hood, Leroy E.
APPLICANT: Rowen, Lee
APPLICANT: Koop, Ben F.
TITLE OF INVENTION: DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH UTI
NUMBER OF SEQUENCES: 1279
CORRESPONDENCE ADDRESS:
ADDRESSEE: Seed and Berry LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: US
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/263,959
FILING DATE: 05-MAR-1999
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: McMasters, David D.
REGISTRATION NUMBER: 33,963
REFERENCE/DOCKET NUMBER: 920010.426C2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 695:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
S-09-263-959-695

Query Match 1.1%; Score 14; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

y 1143 TTTATTTTATTTTA 1156
||||||||||||||
b 2 TTTATTTTATTTTA 15

ESULT 122
S-09-866-108-7599
Sequence 7599, Application US/09866108
Patent No. US20020048800A1
GENERAL INFORMATION:
APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng
APPLICANT: SHANNON, Mark
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: AEOMICA-7
CURRENT APPLICATION NUMBER: US/09/866,108
CURRENT FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR FILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00662
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00661
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00670
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: US 60/234,687
PRIOR FILING DATE: 2000-09-21
PRIOR APPLICATION NUMBER: US 60/266,860
PRIOR FILING DATE: 2001-02-05
NUMBER OF SEQ ID NOS: 15752
SOFTWARE: Aeomica Sequence Listing Engine
SEQ ID NO 7599
LENGTH: 17
TYPE: DNA
ORGANISM: Homo sapiens
US-09-866-108-7599

Query Match 1.1%; Score 14; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 939 GCCACCATCTTACC 952
||||||||||||||
Db 4 GCCACCATCTTACC 17

RESULT 123
US-09-866-108-7603
Sequence 7603, Application US/09866108
Patent No. US20020048800A1
GENERAL INFORMATION:
APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng
APPLICANT: SHANNON, Mark
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: AEOMICA-7
CURRENT APPLICATION NUMBER: US/09/866,108
CURRENT FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR FILING DATE: 2000-10-04

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;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00662
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00661
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00670
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 60/234,687
;  PRIOR FILING DATE: 2000-09-21
;  PRIOR APPLICATION NUMBER: US 60/266,860
;  PRIOR FILING DATE: 2001-02-05
;  NUMBER OF SEQ ID NOS: 15752
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 7603
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-866-108-7603

  Query Match             1.1%;  Score 14;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 2.4e+02;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        940 CCACCATCTTACCT 953
              ||||||||||||||
Db          1 CCACCATCTTACCT 14


RESULT 124
US-09-848-754A-714
; Sequence 714, Application US/09848754A
; Publication No. US20030073207A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
;  TITLE OF INVENTION:  Levels of Epidermal Growth Factor Receptors
;  FILE REFERENCE: MBHB00-958-I (400/018)
;  CURRENT APPLICATION NUMBER: US/09/848,754A
;  CURRENT FILING DATE:  2001-05-03
;  NUMBER OF SEQ ID NOS: 9645
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 714
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-848-754A-714

  Query Match             1.1%;  Score 14;  DB 1;  Length 17;
  Best Local Similarity   78.6%;  Pred. No. 2.4e+02;
  Matches   11;  Conservative    3;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1599 AGTAAATATGAAAC 1612
              ||:|||:|:|||||
Db          2 AGUAAAUAUGAAAC 15


RESULT 125
US-09-848-754A-3038
; Sequence 3038, Application US/09848754A
; Publication No. US20030073207A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relat
;  TITLE OF INVENTION:  Levels of Epidermal Growth Factor Receptors
;  FILE REFERENCE: MBHB00-958-I (400/018)
;  CURRENT APPLICATION NUMBER: US/09/848,754A
;  CURRENT FILING DATE:  2001-05-03
;  NUMBER OF SEQ ID NOS: 9645
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3038
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-848-754A-3038

  Query Match             1.1%;  Score 14;  DB 1;  Length 17;
  Best Local Similarity   78.6%;  Pred. No. 2.4e+02;
  Matches   11;  Conservative    3;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1599 AGTAAATATGAAAC 1612
              ||:|||:|:|||||
Db          4 AGUAAAUAUGAAAC 17


RESULT 126
US-09-263-959-630/c
; Sequence 630, Application US/09263959
; Patent No. US20020150891A1
;  GENERAL INFORMATION:
;    APPLICANT:  Hood, Leroy E.
;    APPLICANT:  Rowen, Lee
;    APPLICANT:  Koop, Ben F.
;    TITLE OF INVENTION:  DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH UTI
;    NUMBER OF SEQUENCES:  1279
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Seed and Berry LLP
;      STREET:  6300 Columbia Center, 701 Fifth Avenue
;      CITY:  Seattle
;      STATE:  Washington
;      COUNTRY:  US
;      ZIP:  98104-7092
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/263,959
;      FILING DATE:  05-MAR-1999
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  McMasters, David D.
;      REGISTRATION NUMBER:  33,963
;      REFERENCE/DOCKET NUMBER:  920010.426C2
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (206) 622-4900
;      TELEFAX:  (206) 682-6031
;  INFORMATION FOR SEQ ID NO:  630:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-09-263-959-630

  Query Match             1.1%;  Score 14;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.7e+02;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1143 TTTATTTTATTTTA 1156
              ||||||||||||||
```

```
b         18 TTTATTTTATTTTA 5


ESULT 127
S-09-263-959-856
 Sequence 856, Application US/09263959
 Patent No. US20020150891A1
  GENERAL INFORMATION:
    APPLICANT:  Hood, Leroy E.
    APPLICANT:  Rowen, Lee
    APPLICANT:  Koop, Ben F.
    TITLE OF INVENTION:  DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH UTI
    NUMBER OF SEQUENCES:  1279
    CORRESPONDENCE ADDRESS:
      ADDRESSEE:  Seed and Berry LLP
      STREET:  6300 Columbia Center, 701 Fifth Avenue
      CITY:  Seattle
      STATE:  Washington
      COUNTRY:  US
      ZIP:  98104-7092
    COMPUTER READABLE FORM:
      MEDIUM TYPE:  Floppy disk
      COMPUTER:  IBM PC compatible
      OPERATING SYSTEM:  PC-DOS/MS-DOS
      SOFTWARE:  PatentIn Release #1.0, Version #1.25
    CURRENT APPLICATION DATA:
      APPLICATION NUMBER:  US/09/263,959
      FILING DATE:  05-MAR-1999
      CLASSIFICATION:
    ATTORNEY/AGENT INFORMATION:
      NAME:  McMasters, David D.
      REGISTRATION NUMBER:  33,963
      REFERENCE/DOCKET NUMBER:  920010.426C2
    TELECOMMUNICATION INFORMATION:
      TELEPHONE:  (206) 622-4900
      TELEFAX:  (206) 682-6031
  INFORMATION FOR SEQ ID NO:  856:
    SEQUENCE CHARACTERISTICS:
      LENGTH:  19 base pairs
      TYPE:  nucleic acid
      STRANDEDNESS:  single
      TOPOLOGY:  linear
S-09-263-959-856

 Query Match             1.1%;  Score 14;  DB 1;  Length 19;
 Best Local Similarity   100.0%;  Pred. No. 2.7e+02;
 Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

y       1207 AAACAAACAAACAA 1220
             ||||||||||||||
b          1 AAACAAACAAACAA 14


ESULT 128
S-09-263-959-963
 Sequence 963, Application US/09263959
 Patent No. US20020150891A1
  GENERAL INFORMATION:
    APPLICANT:  Hood, Leroy E.
    APPLICANT:  Rowen, Lee
    APPLICANT:  Koop, Ben F.
    TITLE OF INVENTION:  DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH UTI
    NUMBER OF SEQUENCES:  1279
    CORRESPONDENCE ADDRESS:
      ADDRESSEE:  Seed and Berry LLP
      STREET:  6300 Columbia Center, 701 Fifth Avenue
      CITY:  Seattle
      STATE:  Washington
      COUNTRY:  US
      ZIP:  98104-7092
    COMPUTER READABLE FORM:
      MEDIUM TYPE:  Floppy disk
      COMPUTER:  IBM PC compatible
      OPERATING SYSTEM:  PC-DOS/MS-DOS
      SOFTWARE:  PatentIn Release #1.0, Version #1.25
    CURRENT APPLICATION DATA:
      APPLICATION NUMBER:  US/09/263,959
      FILING DATE:  05-MAR-1999
      CLASSIFICATION:
    ATTORNEY/AGENT INFORMATION:
      NAME:  McMasters, David D.
      REGISTRATION NUMBER:  33,963
      REFERENCE/DOCKET NUMBER:  920010.426C2
    TELECOMMUNICATION INFORMATION:
      TELEPHONE:  (206) 622-4900
      TELEFAX:  (206) 682-6031
  INFORMATION FOR SEQ ID NO:  963:
    SEQUENCE CHARACTERISTICS:
      LENGTH:  19 base pairs
      TYPE:  nucleic acid
      STRANDEDNESS:  single
      TOPOLOGY:  linear
US-09-263-959-963

  Query Match             1.1%;  Score 14;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.7e+02;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1143 TTTATTTTATTTTA 1156
              ||||||||||||||
Db          2 TTTATTTTATTTTA 15


RESULT 129
US-10-085-906-147
; Sequence 147, Application US/10085906
; Publication No. US20030054371A1
; GENERAL INFORMATION:
;  APPLICANT: Ying, Vincent
;  APPLICANT:  Wu, Paul
;  APPLICANT:  Gray, Gary S.
;  TITLE OF INVENTION: POLYMORPHIC ELEMENTS IN THE
;  TITLE OF INVENTION:  COSTIMULATORY RECEPTOR LOCUS AND USES THEREOF
;  FILE REFERENCE: GNN-5343CP2
;  CURRENT APPLICATION NUMBER: US/10/085,906
;  CURRENT FILING DATE:  2002-02-27
;  PRIOR APPLICATION NUMBER: US 60/126,215
;  PRIOR FILING DATE: 1999-03-25
;  PRIOR APPLICATION NUMBER: US 09/534,061
;  PRIOR FILING DATE: 2000-03-24
;  PRIOR APPLICATION NUMBER: PCT/US00/07938
;  PRIOR FILING DATE: 2000-03-24
;  NUMBER OF SEQ ID NOS: 545
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 147
;   LENGTH: 28
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-085-906-147

  Query Match             1.1%;  Score 14;  DB 1;  Length 28;
  Best Local Similarity   77.3%;  Pred. No. 3.6e+02;
  Matches   17;  Conservative    0;  Mismatches    5;  Indels    0;  Gaps    0;

Qy       1590 AAATATAAAAGTAAATATGAAA 1611
              ||||| | || ||||||  |||
Db          7 AAATAAATAAATAAATAAAAAA 28


RESULT 130
US-09-263-959-750/c
; Sequence 750, Application US/09263959
; Patent No. US20020150891A1
;  GENERAL INFORMATION:
;    APPLICANT:  Hood, Leroy E.
;    APPLICANT:  Rowen, Lee
```

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;    APPLICANT:  Koop, Ben F.
;    TITLE OF INVENTION:  DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH UTI
;    NUMBER OF SEQUENCES:  1279
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Seed and Berry LLP
;      STREET:  6300 Columbia Center, 701 Fifth Avenue
;      CITY:  Seattle
;      STATE:  Washington
;      COUNTRY:  US
;      ZIP:  98104-7092
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/263,959
;      FILING DATE:  05-MAR-1999
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  McMasters, David D.
;      REGISTRATION NUMBER:  33,963
;      REFERENCE/DOCKET NUMBER:  920010.426C2
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (206) 622-4900
;      TELEFAX:  (206) 682-6031
;  INFORMATION FOR SEQ ID NO:  750:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-09-263-959-750

  Query Match             1.1%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 2.6e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1045 TATTTATGTATTTATTT 1061
              ||||||| ||||||||
Db         17 TATTTATTGATTTATTT 1


RESULT 131
US-09-730-289B-126/c
; Sequence 126, Application US/09730289B
; Publication No. US20030050259A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Blatt, Larry
;  APPLICANT:  McSwiggen, Jim
;  TITLE OF INVENTION: Method and Reagent for Treatment of Cardiac Disease
;  FILE REFERENCE: MBHB00-864-A (400/006)
;  CURRENT APPLICATION NUMBER: US/09/730,289B
;  CURRENT FILING DATE:  2000-12-05
;  PRIOR APPLICATION NUMBER: US 60/169,100
;  PRIOR FILING DATE: 1999-12-06
;  NUMBER OF SEQ ID NOS: 3897
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 126
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-730-289B-126

  Query Match             1.1%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 2.6e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        632 AATTTTTGAATATAAGG 648
              ||||||||||  |||| |
Db         17 AATTTTTGAAAATAAAG 1


RESULT 132
US-09-730-289B-842
; Sequence 842, Application US/09730289B
; Publication No. US20030050259A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Blatt, Larry
;  APPLICANT:  McSwiggen, Jim
;  TITLE OF INVENTION: Method and Reagent for Treatment of Cardiac Disease
;  FILE REFERENCE: MBHB00-864-A (400/006)
;  CURRENT APPLICATION NUMBER: US/09/730,289B
;  CURRENT FILING DATE:  2000-12-05
;  PRIOR APPLICATION NUMBER: US 60/169,100
;  PRIOR FILING DATE: 1999-12-06
;  NUMBER OF SEQ ID NOS: 3897
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 842
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-730-289B-842

  Query Match             1.1%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   41.2%;  Pred. No. 2.6e+02;
  Matches    7;  Conservative    8;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        589 TATGTAAAGTATTATTT 605
              :|: :|||| |::|:::
Db          1 UAUAUAAAGCAUUAUUU 17


RESULT 133
US-09-730-289B-956/c
; Sequence 956, Application US/09730289B
; Publication No. US20030050259A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Blatt, Larry
;  APPLICANT:  McSwiggen, Jim
;  TITLE OF INVENTION: Method and Reagent for Treatment of Cardiac Disease
;  FILE REFERENCE: MBHB00-864-A (400/006)
;  CURRENT APPLICATION NUMBER: US/09/730,289B
;  CURRENT FILING DATE:  2000-12-05
;  PRIOR APPLICATION NUMBER: US 60/169,100
;  PRIOR FILING DATE: 1999-12-06
;  NUMBER OF SEQ ID NOS: 3897
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 956
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-730-289B-956

  Query Match             1.1%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 2.6e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1004 AACATAAATTATTTTCA 1020
              || |||||||||| ||||
Db         17 AATATAAATTATATTCA 1


RESULT 134
US-10-238-700-1167
; Sequence 1167, Application US/10238700
; Publication No. US20030153521A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, James
;  TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Leve
;  FILE REFERENCE: 400/057  (MBHB01-1158-A)
;  CURRENT APPLICATION NUMBER: US/10/238,700
```

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  CURRENT FILING DATE:  2002-09-18
  PRIOR APPLICATION NUMBER: PCT/US 02/16840
  PRIOR FILING DATE: 2002-05-29
  PRIOR APPLICATION NUMBER: US 60/318,471
  PRIOR FILING DATE: 2001-09-10
  NUMBER OF SEQ ID NOS: 4666
  SOFTWARE: PatentIn version 3.0
 SEQ ID NO 1167
   LENGTH: 17
   TYPE: RNA
   ORGANISM: Homo sapiens
3-10-238-700-1167

 Query Match             1.1%;  Score 13.8;  DB 1;  Length 17;
 Best Local Similarity   58.8%;  Pred. No. 2.6e+02;
 Matches   10;  Conservative    5;  Mismatches    2;  Indels    0;  Gaps    0;

y       1605 TATGAAACATTTAAAAT 1621
             :|: ||||:: |||| :
b          1 UAUCAAACAUUAAAAAU 17


ESULT 135
S-10-105-481-23
 Sequence 23, Application US/10105481
 Publication No. US20030044955A1
 GENERAL INFORMATION:
  APPLICANT: Berka, Randy M
  APPLICANT:  Cullen, Daniel
  APPLICANT:  Gray, Gregory L
  APPLICANT:  Hayenga, Kirk J
  APPLICANT:  Lawlis, Virgil B
  TITLE OF INVENTION: Heterologous Polypeptides Expressed in Filamentous
  TITLE OF INVENTION:  Fungi, Process for
  TITLE OF INVENTION:  Making Same and Vectors for Making Same
  FILE REFERENCE: A-42909-5
  CURRENT APPLICATION NUMBER: US/10/105,481
  CURRENT FILING DATE:  2002-03-20
  PRIOR APPLICATION NUMBER: 09/468,265
  PRIOR FILING DATE: 1999-12-10
  PRIOR APPLICATION NUMBER: 08/484,384
  PRIOR FILING DATE: 1995-06-07
  PRIOR APPLICATION NUMBER: 08/284,942
  PRIOR FILING DATE: 1994-08-02
  PRIOR APPLICATION NUMBER: 07/413,010
  PRIOR FILING DATE: 1989-09-25
  PRIOR APPLICATION NUMBER: 07/163,219
  PRIOR FILING DATE: 1988-02-26
  PRIOR APPLICATION NUMBER: 06/882,224
  PRIOR FILING DATE: 1986-07-07
  PRIOR APPLICATION NUMBER: 06/771,374
  PRIOR FILING DATE: 1985-08-29
  NUMBER OF SEQ ID NOS: 28
  SOFTWARE: PatentIn version 3.1
 SEQ ID NO 23
   LENGTH: 17
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: synthetic oligonucleotide probes
S-10-105-481-23

 Query Match             1.1%;  Score 13.8;  DB 1;  Length 17;
 Best Local Similarity   80.0%;  Pred. No. 2.6e+02;
 Matches   12;  Conservative    3;  Mismatches    0;  Indels    0;  Gaps    0;

y       1271 AGTATAAGTACATTA 1285
             |:||:||:|||||||
b          2 ARTAYAARTACATTA 16


ESULT 136
S-10-060-756A-1930/c
; Sequence 1930, Application US/10060756A
; Publication No. US20030046717A1
; GENERAL INFORMATION:
;  APPLICANT: Zhang, Jian
;  TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN
;  FILE REFERENCE: PB0177
;  CURRENT APPLICATION NUMBER: US/10/060,756A
;  CURRENT FILING DATE:  2002-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 09/864,761
;  PRIOR FILING DATE: 2001-05-23
;  PRIOR APPLICATION NUMBER: US 60/327,898
;  PRIOR FILING DATE: 2001-10-09
;  NUMBER OF SEQ ID NOS: 4804
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 1930
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-060-756A-1930

  Query Match             1.1%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 2.6e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1456 TGTTTATTATGTACAAA 1472
              || |||| |||||||||
Db         17 TGCTTATGATGTACAAA 1


RESULT 137
US-09-263-959-945/c
; Sequence 945, Application US/09263959
; Patent No. US20020150891A1
;  GENERAL INFORMATION:
;    APPLICANT:  Hood, Leroy E.
;    APPLICANT:  Rowen, Lee
;    APPLICANT:  Koop, Ben F.
;    TITLE OF INVENTION:  DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH UTI
;    NUMBER OF SEQUENCES:  1279
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Seed and Berry LLP
;      STREET:  6300 Columbia Center, 701 Fifth Avenue
;      CITY:  Seattle
;      STATE:  Washington
;      COUNTRY:  US
;      ZIP:  98104-7092
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/263,959
;      FILING DATE:  05-MAR-1999
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  McMasters, David D.
;      REGISTRATION NUMBER:  33,963
;      REFERENCE/DOCKET NUMBER:  920010.426C2
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (206) 622-4900
```

```
;       TELEFAX:  (206) 682-6031
;  INFORMATION FOR SEQ ID NO:  945:
;    SEQUENCE CHARACTERISTICS:
;       LENGTH:  19 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-09-263-959-945

  Query Match             1.1%;  Score 13.8;  DB 1;  Length 19;
  Best Local Similarity   88.2%;  Pred. No. 2.9e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1046 ATTTATGTATTTATTTA 1062
              ||||||  |||||||||
Db         19 ATTTATTCATTTATTTA 3


RESULT 138
US-10-027-632-176756/c
; Sequence 176756, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
;  APPLICANT: Wang, David G.
;  TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
;  TITLE OF INVENTION:  Polymorphisms in the Human Genome
;  FILE REFERENCE: 108827.129
;  CURRENT APPLICATION NUMBER: US/10/027,632
;  CURRENT FILING DATE:  2002-04-30
;  PRIOR APPLICATION NUMBER: US 60/218,006
;  PRIOR FILING DATE: 2000-07-12
;  PRIOR APPLICATION NUMBER: US 60/198,676
;  PRIOR FILING DATE: 2000-04-20
;  PRIOR APPLICATION NUMBER: US 60/193,483
;  PRIOR FILING DATE: 2000-03-29
;  PRIOR APPLICATION NUMBER: US 60/185,218
;  PRIOR FILING DATE: 2000-02-24
;  PRIOR APPLICATION NUMBER: US 60/167,363
;  PRIOR FILING DATE: 1999-11-23
;  PRIOR APPLICATION NUMBER: US 60/156,358
;  PRIOR FILING DATE: 1999-09-28
;  PRIOR APPLICATION NUMBER: US 60/146,002
;  PRIOR FILING DATE: 1999-08-09
;  NUMBER OF SEQ ID NOS: 325720
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 176756
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Human
US-10-027-632-176756

  Query Match             1.1%;  Score 13.8;  DB 1;  Length 19;
  Best Local Similarity   88.2%;  Pred. No. 2.9e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        440 ACTTCAAGCAAATCTAC 456
              |||||||||  |||| ||
Db         18 ACTTCAAGCCAATCAAC 2


RESULT 139
US-10-027-632-176756/c
; Sequence 176756, Application US/10027632
; GENERAL INFORMATION:
;  APPLICANT: Wang, David G.
;  TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
;  TITLE OF INVENTION:  Polymorphisms in the Human Genome
;  FILE REFERENCE: 108827.129
;  CURRENT APPLICATION NUMBER: US/10/027,632
;  CURRENT FILING DATE:  2002-04-30
;  PRIOR APPLICATION NUMBER: US 60/218,006
;  PRIOR FILING DATE: 2000-07-12
;  PRIOR APPLICATION NUMBER: US 60/198,676
;  PRIOR FILING DATE: 2000-04-20
;  PRIOR APPLICATION NUMBER: US 60/193,483
;  PRIOR FILING DATE: 2000-03-29
;  PRIOR APPLICATION NUMBER: US 60/185,218
;  PRIOR FILING DATE: 2000-02-24
;  PRIOR APPLICATION NUMBER: US 60/167,363
;  PRIOR FILING DATE: 1999-11-23
;  PRIOR APPLICATION NUMBER: US 60/156,358
;  PRIOR FILING DATE: 1999-09-28
;  PRIOR APPLICATION NUMBER: US 60/146,002
;  PRIOR FILING DATE: 1999-08-09
;  NUMBER OF SEQ ID NOS: 325720
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 176756
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Human
US-10-027-632-176756

  Query Match             1.1%;  Score 13.8;  DB 1;  Length 19;
  Best Local Similarity   88.2%;  Pred. No. 2.9e+02;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        440 ACTTCAAGCAAATCTAC 456
              |||||||||  |||| ||
Db         18 ACTTCAAGCCAATCAAC 2


RESULT 140
US-10-085-906-501
; Sequence 501, Application US/10085906
; Publication No. US20030054371A1
; GENERAL INFORMATION:
;  APPLICANT: Ying, Vincent
;  APPLICANT:  Wu, Paul
;  APPLICANT:  Gray, Gary S.
;  TITLE OF INVENTION: POLYMORPHIC ELEMENTS IN THE
;  TITLE OF INVENTION:  COSTIMULATORY RECEPTOR LOCUS AND USES THEREOF
;  FILE REFERENCE: GNN-5343CP2
;  CURRENT APPLICATION NUMBER: US/10/085,906
;  CURRENT FILING DATE:  2002-02-27
;  PRIOR APPLICATION NUMBER: US 60/126,215
;  PRIOR FILING DATE: 1999-03-25
;  PRIOR APPLICATION NUMBER: US 09/534,061
;  PRIOR FILING DATE: 2000-03-24
;  PRIOR APPLICATION NUMBER: PCT/US00/07938
;  PRIOR FILING DATE: 2000-03-24
;  NUMBER OF SEQ ID NOS: 545
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 501
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-085-906-501

  Query Match             1.1%;  Score 13.6;  DB 1;  Length 21;
  Best Local Similarity   80.0%;  Pred. No. 3.3e+02;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1469 CAAATAGATTCTTATAATAT 1488
              ||||||  || ||||||  ||
Db          1 CAAATATATACTTATATAAT 20


RESULT 141
US-09-263-959-622/c
; Sequence 622, Application US/09263959
; Patent No. US20020150891A1
;  GENERAL INFORMATION:
;    APPLICANT:  Hood, Leroy E.
;    APPLICANT:  Rowen, Lee
;    APPLICANT:  Koop, Ben F.
;    TITLE OF INVENTION:  DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH UTI
```

```
;    NUMBER OF SEQUENCES:  1279
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Seed and Berry LLP
;      STREET:  6300 Columbia Center, 701 Fifth Avenue
;      CITY:  Seattle
;      STATE:  Washington
;      COUNTRY:  US
;      ZIP:  98104-7092
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/263,959
;      FILING DATE:  05-MAR-1999
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  McMasters, David D.
;      REGISTRATION NUMBER:  33,963
;      REFERENCE/DOCKET NUMBER:  920010.426C2
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (206) 622-4900
;      TELEFAX:  (206) 682-6031
;  INFORMATION FOR SEQ ID NO:  622:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  15 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;S-09-263-959-622

  Query Match             1.1%;  Score 13.4;  DB 1;  Length 15;
  Best Local Similarity   93.3%;  Pred. No. 2.7e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

;y       1047 TTTATGTATTTATTT 1061
              ||||| |||||||||
;b         15 TTTATTTATTTATTT 1


;ESULT 142
;S-09-263-959-627/c
; Sequence 627, Application US/09263959
; Patent No. US20020150891A1
;  GENERAL INFORMATION:
;    APPLICANT:  Hood, Leroy E.
;    APPLICANT:  Rowen, Lee
;    APPLICANT:  Koop, Ben F.
;    TITLE OF INVENTION:  DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH UTI
;    NUMBER OF SEQUENCES:  1279
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Seed and Berry LLP
;      STREET:  6300 Columbia Center, 701 Fifth Avenue
;      CITY:  Seattle
;      STATE:  Washington
;      COUNTRY:  US
;      ZIP:  98104-7092
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/263,959
;      FILING DATE:  05-MAR-1999
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  McMasters, David D.
;      REGISTRATION NUMBER:  33,963
;      REFERENCE/DOCKET NUMBER:  920010.426C2
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (206) 622-4900
;      TELEFAX:  (206) 682-6031
;  INFORMATION FOR SEQ ID NO:  627:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  15 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-09-263-959-627

  Query Match             1.1%;  Score 13.4;  DB 1;  Length 15;
  Best Local Similarity   93.3%;  Pred. No. 2.7e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1047 TTTATGTATTTATTT 1061
              ||||| |||||||||
Db         15 TTTATTTATTTATTT 1


RESULT 143
US-09-263-959-650/c
; Sequence 650, Application US/09263959
; Patent No. US20020150891A1
;  GENERAL INFORMATION:
;    APPLICANT:  Hood, Leroy E.
;    APPLICANT:  Rowen, Lee
;    APPLICANT:  Koop, Ben F.
;    TITLE OF INVENTION:  DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH UTI
;    NUMBER OF SEQUENCES:  1279
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Seed and Berry LLP
;      STREET:  6300 Columbia Center, 701 Fifth Avenue
;      CITY:  Seattle
;      STATE:  Washington
;      COUNTRY:  US
;      ZIP:  98104-7092
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/263,959
;      FILING DATE:  05-MAR-1999
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  McMasters, David D.
;      REGISTRATION NUMBER:  33,963
;      REFERENCE/DOCKET NUMBER:  920010.426C2
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (206) 622-4900
;      TELEFAX:  (206) 682-6031
;  INFORMATION FOR SEQ ID NO:  650:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  15 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-09-263-959-650

  Query Match             1.1%;  Score 13.4;  DB 1;  Length 15;
  Best Local Similarity   93.3%;  Pred. No. 2.7e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1047 TTTATGTATTTATTT 1061
              ||||| |||||||||
Db         15 TTTATTTATTTATTT 1


RESULT 144
US-09-263-959-763
; Sequence 763, Application US/09263959
; Patent No. US20020150891A1
;  GENERAL INFORMATION:
```

```
;    APPLICANT:  Hood, Leroy E.
;    APPLICANT:  Rowen, Lee
;    APPLICANT:  Koop, Ben F.
;    TITLE OF INVENTION:  DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH UTI
;    NUMBER OF SEQUENCES:  1279
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Seed and Berry LLP
;      STREET:  6300 Columbia Center, 701 Fifth Avenue
;      CITY:  Seattle
;      STATE:  Washington
;      COUNTRY:  US
;      ZIP:  98104-7092
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/263,959
;      FILING DATE:  05-MAR-1999
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  McMasters, David D.
;      REGISTRATION NUMBER:  33,963
;      REFERENCE/DOCKET NUMBER:  920010.426C2
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (206) 622-4900
;      TELEFAX:  (206) 682-6031
;  INFORMATION FOR SEQ ID NO:  763:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  15 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-09-263-959-763

  Query Match             1.1%;  Score 13.4;  DB 1;  Length 15;
  Best Local Similarity   93.3%;  Pred. No. 2.7e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1045 TATTTATGTATTTAT 1059
              ||||||| |||||||
Db          1 TATTTATTTATTTAT 15


RESULT 145
US-09-263-959-933/c
; Sequence 933, Application US/09263959
; Patent No. US20020150891A1
;  GENERAL INFORMATION:
;    APPLICANT:  Hood, Leroy E.
;    APPLICANT:  Rowen, Lee
;    APPLICANT:  Koop, Ben F.
;    TITLE OF INVENTION:  DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH UTI
;    NUMBER OF SEQUENCES:  1279
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Seed and Berry LLP
;      STREET:  6300 Columbia Center, 701 Fifth Avenue
;      CITY:  Seattle
;      STATE:  Washington
;      COUNTRY:  US
;      ZIP:  98104-7092
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/263,959
;      FILING DATE:  05-MAR-1999
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  McMasters, David D.
;      REGISTRATION NUMBER:  33,963
;      REFERENCE/DOCKET NUMBER:  920010.426C2
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (206) 622-4900
;      TELEFAX:  (206) 682-6031
;  INFORMATION FOR SEQ ID NO:  933:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  15 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-09-263-959-933

  Query Match             1.1%;  Score 13.4;  DB 1;  Length 15;
  Best Local Similarity   93.3%;  Pred. No. 2.7e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1044 TTATTTATGTATTTA 1058
              ||||||| |||||||
Db         15 TTATTTATTTATTTA 1


RESULT 146
US-09-842-347-13/c
; Sequence 13, Application US/09842347
; Publication No. US20030176688A1
;  GENERAL INFORMATION:
;      APPLICANT: TAKAHASHI, Tohru
;                 SERIZAWA, No. US20030176688A1ufusa
;                 KOISHI, Ryuta
;                 KAWASHIMA, Ichiro
;      TITLE OF INVENTION: EXPRESSION SYSTEMS UTILIZING
;                          AUTOLYZING FUSION PROTEINS
;                          AND A NOVEL REDUCING POLYPEPTIDE
;      NUMBER OF SEQUENCES: 19
;      CORRESPONDENCE ADDRESS:
;           ADDRESSEE: Frishhauf, Holtz, Goodman, Langer & Chick, P.C.
;           STREET: 767 Third Avenue-25th Floor
;           CITY: New York
;           STATE: New York
;           COUNTRY: United States
;           ZIP: 10017-2023
;      COMPUTER READABLE FORM:
;           MEDIUM TYPE: Floppy disk
;           COMPUTER: IBM PC compatible
;           OPERATING SYSTEM: PC-DOS/MS-DOS
;           SOFTWARE: PatentIn Release #1.24
;      CURRENT APPLICATION DATA:
;           APPLICATION NUMBER: US/09/842,347
;           FILING DATE: 25-Apr-2001
;           CLASSIFICATION: <Unknown>
;      PRIOR APPLICATION DATA:
;           APPLICATION NUMBER: 09/167,151
;           FILING DATE: <Unknown>
;           APPLICATION NUMBER: JP 6-218392
;           FILING DATE: 13-SEP-1994
;           APPLICATION NUMBER: JP 6-303809
;           FILING DATE: 07-DEC-1994
;      ATTORNEY/AGENT INFORMATION:
;           NAME: Goodman, Herbert
;           REGISTRATION NUMBER: 17081
;           REFERENCE/DOCKET NUMBER: 950376/HG
;      TELECOMMUNICATION INFORMATION:
;           TELEPHONE: (212) 319-4900
;           TELEFAX: (212) 319-5101
;           TELEX: 236268
;  INFORMATION FOR SEQ ID NO: 13:
;      SEQUENCE CHARACTERISTICS:
;           LENGTH: 15 base pairs
;           TYPE: nucleic acid
;           STRANDEDNESS: single
;           TOPOLOGY: linear
;      MOLECULE TYPE: other nucleic acid, synthetic DNA
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HYPOTHETICAL: N
ANTI-SENSE: N
SEQUENCE DESCRIPTION: SEQ ID NO: 13:
S-09-842-347-13

Query Match 1.1%; Score 13.4; DB 1; Length 15;
Best Local Similarity 93.3%; Pred. No. 2.7e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

y 1044 TTATTTATGTATTTA 1058
||||||| ||||||
b 15 TTATTTATTTATTTA 1

ESULT 147
S-09-836-712-4/c
Sequence 4, Application US/09836712
Patent No. US20010049106A1
GENERAL INFORMATION:
APPLICANT: PFIZER INC.
TITLE OF INVENTION: ADAMTS POLYPEPTIDES, NUCLEIC ACIDS ENCODING THEM, AND
TITLE OF INVENTION: USES THEREOF
FILE REFERENCE: PC10851A
CURRENT APPLICATION NUMBER: US/09/836,712
CURRENT FILING DATE: 2001-04-17
NUMBER OF SEQ ID NOS: 4
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 4
LENGTH: 17
TYPE: DNA
ORGANISM: Human
S-09-836-712-4

Query Match 1.1%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. No. 3e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

y 754 TGTGATATTTGAAGC 768
||||||||||| |||
b 15 TGTGATATTTGGAGC 1

ESULT 148
S-09-848-754A-1181
Sequence 1181, Application US/09848754A
Publication No. US20030073207A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
TITLE OF INVENTION: Levels of Epidermal Growth Factor Receptors
FILE REFERENCE: MBHB00-958-I (400/018)
CURRENT APPLICATION NUMBER: US/09/848,754A
CURRENT FILING DATE: 2001-05-03
NUMBER OF SEQ ID NOS: 9645
SOFTWARE: PatentIn version 3.0
SEQ ID NO 1181
LENGTH: 17
TYPE: RNA
ORGANISM: Homo sapiens
S-09-848-754A-1181

Query Match 1.1%; Score 13.4; DB 1; Length 17;
Best Local Similarity 73.3%; Pred. No. 3e+02;
Matches 11; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

y 530 AATTTCAGTAAACAA 544
||:::||| ||||||
b 3 AAUUUCAGGAAACAA 17

ESULT 149
S-09-848-754A-3292
Sequence 3292, Application US/09848754A
; Publication No. US20030073207A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
; TITLE OF INVENTION: Levels of Epidermal Growth Factor Receptors
; FILE REFERENCE: MBHB00-958-I (400/018)
; CURRENT APPLICATION NUMBER: US/09/848,754A
; CURRENT FILING DATE: 2001-05-03
; NUMBER OF SEQ ID NOS: 9645
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3292
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-848-754A-3292

Query Match 1.1%; Score 13.4; DB 1; Length 17;
Best Local Similarity 73.3%; Pred. No. 3e+02;
Matches 11; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

Qy 530 AATTTCAGTAAACAA 544
||:::||| ||||||
Db 2 AAUUUCAGGAAACAA 16

RESULT 150
US-09-848-754A-3293
; Sequence 3293, Application US/09848754A
; Publication No. US20030073207A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
; TITLE OF INVENTION: Levels of Epidermal Growth Factor Receptors
; FILE REFERENCE: MBHB00-958-I (400/018)
; CURRENT APPLICATION NUMBER: US/09/848,754A
; CURRENT FILING DATE: 2001-05-03
; NUMBER OF SEQ ID NOS: 9645
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3293
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-848-754A-3293

Query Match 1.1%; Score 13.4; DB 1; Length 17;
Best Local Similarity 73.3%; Pred. No. 3e+02;
Matches 11; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

Qy 530 AATTTCAGTAAACAA 544
||:::||| ||||||
Db 1 AAUUUCAGGAAACAA 15

RESULT 151
US-09-930-423-226
; Sequence 226, Application US/09930423
; Publication No. US20030092003A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
; FILE REFERENCE: MBHB00,918-A 400/027
; CURRENT APPLICATION NUMBER: US/09/930,423
; CURRENT FILING DATE: 2001-08-15
; NUMBER OF SEQ ID NOS: 4553
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 226
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo Sapiens
US-09-930-423-226

```
  Query Match             1.1%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   53.3%;  Pred. No. 3e+02;
  Matches    8;  Conservative    6;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1442 TGCTGGTTGAAACTT 1456
             :||:| ::|||||::
Db          2 UGCUGCUUGAAACUU 16


RESULT 152
JS-09-930-423-897
; Sequence 897, Application US/09930423
; Publication No. US20030092003A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Blatt, Larry
;  APPLICANT:  McSwiggen, Jim
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
;  FILE REFERENCE: MBHB00,918-A 400/027
;  CURRENT APPLICATION NUMBER: US/09/930,423
;  CURRENT FILING DATE:  2001-08-15
;  NUMBER OF SEQ ID NOS: 4553
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 897
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo Sapiens
US-09-930-423-897

  Query Match             1.1%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   53.3%;  Pred. No. 3e+02;
  Matches    8;  Conservative    6;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1442 TGCTGGTTGAAACTT 1456
             :||:| ::|||||::
Db          3 UGCUGCUUGAAACUU 17


RESULT 153
US-09-930-423-1100
; Sequence 1100, Application US/09930423
; Publication No. US20030092003A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Blatt, Larry
;  APPLICANT:  McSwiggen, Jim
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
;  FILE REFERENCE: MBHB00,918-A 400/027
;  CURRENT APPLICATION NUMBER: US/09/930,423
;  CURRENT FILING DATE:  2001-08-15
;  NUMBER OF SEQ ID NOS: 4553
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1100
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo Sapiens
US-09-930-423-1100

  Query Match             1.1%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   53.3%;  Pred. No. 3e+02;
  Matches    8;  Conservative    6;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1442 TGCTGGTTGAAACTT 1456
             :||:| ::|||||::
Db          1 UGCUGCUUGAAACUU 15


RESULT 154
US-09-745-237A-226
; Sequence 226, Application US/09745237A
; Publication No. US20030143708A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Blatt, Larry
;  APPLICANT:  McSwiggen, Jim
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
;  FILE REFERENCE: 400/007 (MBHB00-918-A)
;  CURRENT APPLICATION NUMBER: US/09/745,237A
;  CURRENT FILING DATE:  2002-04-15
;  NUMBER OF SEQ ID NOS: 4550
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 226
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-745-237A-226

  Query Match             1.1%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   53.3%;  Pred. No. 3e+02;
  Matches    8;  Conservative    6;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1442 TGCTGGTTGAAACTT 1456
             :||:| ::|||||::
Db          2 UGCUGCUUGAAACUU 16


RESULT 155
US-09-745-237A-897
; Sequence 897, Application US/09745237A
; Publication No. US20030143708A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Blatt, Larry
;  APPLICANT:  McSwiggen, Jim
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
;  FILE REFERENCE: 400/007 (MBHB00-918-A)
;  CURRENT APPLICATION NUMBER: US/09/745,237A
;  CURRENT FILING DATE:  2002-04-15
;  NUMBER OF SEQ ID NOS: 4550
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 897
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-745-237A-897

  Query Match             1.1%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   53.3%;  Pred. No. 3e+02;
  Matches    8;  Conservative    6;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1442 TGCTGGTTGAAACTT 1456
             :||:| ::|||||::
Db          3 UGCUGCUUGAAACUU 17


RESULT 156
US-09-745-237A-1100
; Sequence 1100, Application US/09745237A
; Publication No. US20030143708A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Blatt, Larry
;  APPLICANT:  McSwiggen, Jim
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
;  FILE REFERENCE: 400/007 (MBHB00-918-A)
;  CURRENT APPLICATION NUMBER: US/09/745,237A
;  CURRENT FILING DATE:  2002-04-15
;  NUMBER OF SEQ ID NOS: 4550
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1100
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-745-237A-1100

  Query Match             1.1%;  Score 13.4;  DB 1;  Length 17;
```

```
 Best Local Similarity   53.3%;  Pred. No. 3e+02;
 Matches    8;  Conservative    6;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1442 TGCTGGTTGAAACTT 1456
              :||:| ::|||||::
Db          1 UGCUGCUUGAAACUU 15


ESULT 157
S-10-238-700-1268
 Sequence 1268, Application US/10238700
 Publication No. US20030153521A1
 GENERAL INFORMATION:
  APPLICANT: Ribozyme Pharmaceuticals, Inc.
  APPLICANT:  McSwiggen, James
  TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Level
  FILE REFERENCE: 400/057  (MBHB01-1158-A)
  CURRENT APPLICATION NUMBER: US/10/238,700
  CURRENT FILING DATE:  2002-09-18
  PRIOR APPLICATION NUMBER: PCT/US 02/16840
  PRIOR FILING DATE: 2002-05-29
  PRIOR APPLICATION NUMBER: US 60/318,471
  PRIOR FILING DATE: 2001-09-10
  NUMBER OF SEQ ID NOS: 4666
  SOFTWARE: PatentIn version 3.0
 SEQ ID NO 1268
   LENGTH: 17
   TYPE: RNA
   ORGANISM: Homo sapiens
S-10-238-700-1268

 Query Match             1.1%;  Score 13.4;  DB 1;  Length 17;
 Best Local Similarity   26.7%;  Pred. No. 3e+02;
 Matches    4;  Conservative   10;  Mismatches    1;  Indels    0;  Gaps    0;

y        1043 ATTATTTATGTATTT 1057
              |::|:::|: :|:::
b           2 AUUAUUUAUUUAUUU 16


ESULT 158
S-10-238-700-3635/c
 Sequence 3635, Application US/10238700
 Publication No. US20030153521A1
 GENERAL INFORMATION:
  APPLICANT: Ribozyme Pharmaceuticals, Inc.
  APPLICANT:  McSwiggen, James
  TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Level
  FILE REFERENCE: 400/057  (MBHB01-1158-A)
  CURRENT APPLICATION NUMBER: US/10/238,700
  CURRENT FILING DATE:  2002-09-18
  PRIOR APPLICATION NUMBER: PCT/US 02/16840
  PRIOR FILING DATE: 2002-05-29
  PRIOR APPLICATION NUMBER: US 60/318,471
  PRIOR FILING DATE: 2001-09-10
  NUMBER OF SEQ ID NOS: 4666
  SOFTWARE: PatentIn version 3.0
 SEQ ID NO 3635
   LENGTH: 17
   TYPE: RNA
   ORGANISM: Homo sapiens
S-10-238-700-3635

 Query Match             1.1%;  Score 13.4;  DB 1;  Length 17;
 Best Local Similarity   93.3%;  Pred. No. 3e+02;
 Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

y        1332 TCCCAGTCTTGTCAT 1346
              ||||||||||||| |
b          15 TCCCAGTCTTGTCCT 1


ESULT 159
US-10-338-777-139/c
; Sequence 139, Application US/10338777
; Publication No. US20030188343A1
; GENERAL INFORMATION:
;  APPLICANT: Lynx Therapeutics, Inc.
;  APPLICANT:  United States Department of Agriculture
;  APPLICANT:  Bowen, Benjamin A
;  APPLICANT:  Haudenschild, Christian D
;  APPLICANT:  Buckler, Edward S
;  TITLE OF INVENTION: Identification of Genes Associated with Growth in Plants
;  FILE REFERENCE: 37-000510US
;  CURRENT APPLICATION NUMBER: US/10/338,777
;  CURRENT FILING DATE:  2003-01-07
;  NUMBER OF SEQ ID NOS: 405
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 139
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Arabidopsis thaliana
US-10-338-777-139

  Query Match             1.1%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   93.3%;  Pred. No. 3e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1103 TGAATCATTGATTGA 1117
              |||| ||||||||||
Db         17 TGAACCATTGATTGA 3


RESULT 160
US-10-060-756A-1670/c
; Sequence 1670, Application US/10060756A
; Publication No. US20030046717A1
; GENERAL INFORMATION:
;  APPLICANT: Zhang, Jian
;  TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN
;  FILE REFERENCE: PB0177
;  CURRENT APPLICATION NUMBER: US/10/060,756A
;  CURRENT FILING DATE:  2002-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 09/864,761
;  PRIOR FILING DATE: 2001-05-23
;  PRIOR APPLICATION NUMBER: US 60/327,898
;  PRIOR FILING DATE: 2001-10-09
;  NUMBER OF SEQ ID NOS: 4804
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 1670
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-060-756A-1670

  Query Match             1.1%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   93.3%;  Pred. No. 3e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        677 TACAAATAGCAAAAT 691
              || |||||||||||
Db         17 TAAAAATAGCAAAAT 3
```

```
RESULT 161
US-10-060-756A-1674/c
; Sequence 1674, Application US/10060756A
; Publication No. US20030046717A1
; GENERAL INFORMATION:
;  APPLICANT: Zhang, Jian
;  TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN
;  FILE REFERENCE: PB0177
;  CURRENT APPLICATION NUMBER: US/10/060,756A
;  CURRENT FILING DATE:  2002-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 09/864,761
;  PRIOR FILING DATE: 2001-05-23
;  PRIOR APPLICATION NUMBER: US 60/327,898
;  PRIOR FILING DATE: 2001-10-09
;  NUMBER OF SEQ ID NOS: 4804
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 1674
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-060-756A-1674

  Query Match             1.1%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   93.3%;  Pred. No. 3e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        675 TATACAAATAGCAAA 689
              |||| ||||||||||
Db         15 TATAAAAATAGCAAA 1


RESULT 162
US-10-156-306-5017
; Sequence 5017, Application US/10156306
; Publication No. US20030119017A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, James
;  TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
;  TITLE OF INVENTION:  Levels of IKK-Gamma and PKR
;  FILE REFERENCE: MBHB01-664-A (400/050)
;  CURRENT APPLICATION NUMBER: US/10/156,306
;  CURRENT FILING DATE:  2002-05-28
;  NUMBER OF SEQ ID NOS: 8013
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5017
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-10-156-306-5017

  Query Match             1.1%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   86.7%;  Pred. No. 3e+02;
  Matches   13;  Conservative    1;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        968 GAGGACATGTGGAAG 982
              |||||||:| |||||
Db          3 GAGGACAUGAGGAAG 17


RESULT 163
US-09-774-414-22
; Sequence 22, Application US/09774414
; Patent No. US20020102231A1
; GENERAL INFORMATION:
;  APPLICANT: The Institute of Physical and Chemical Research
;  TITLE OF INVENTION: Endonuclease
;  FILE REFERENCE: PH-651
;  CURRENT APPLICATION NUMBER: US/09/774,414
;  CURRENT FILING DATE:  2001-01-31
;  PRIOR APPLICATION NUMBER: 09/306,970
;  PRIOR FILING DATE: 1999-05-07
;  NUMBER OF SEQ ID NOS: 38
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 22
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:Synthetic DNA
US-09-774-414-22

  Query Match             1.1%;  Score 13.4;  DB 1;  Length 18;
  Best Local Similarity   93.3%;  Pred. No. 3.1e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1282 ATTATTGTTTATCTG 1296
              ||||||| |||||||
Db          3 ATTATTGGTTATCTG 17


RESULT 164
US-10-251-117-640
; Sequence 640, Application US/10251117
; Publication No. US20030170891A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, James
;  TITLE OF INVENTION: RNA Interference Mediated Inhibition of Epidermal Growth Factor
;  TITLE OF INVENTION:  Gene Expression Using Short Interfering RNA
;  FILE REFERENCE: 900/042 (MBHB02-468-A)
;  CURRENT APPLICATION NUMBER: US/10/251,117
;  CURRENT FILING DATE:  2003-02-24
;  PRIOR APPLICATION NUMBER: US 60/393,924
;  PRIOR FILING DATE: 2002-07-03
;  PRIOR APPLICATION NUMBER: US 10/163,552
;  PRIOR FILING DATE: 2002-06-06
;  PRIOR APPLICATION NUMBER: US 60/358,580
;  PRIOR FILING DATE: 2002-02-20
;  PRIOR APPLICATION NUMBER: US 09/916,466
;  PRIOR FILING DATE: 2001-07-25
;  PRIOR APPLICATION NUMBER: US 60/296,249
;  PRIOR FILING DATE: 2001-06-06
;  NUMBER OF SEQ ID NOS: 1213
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 640
;   LENGTH: 19
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  Target sequence/siNA sense
US-10-251-117-640

  Query Match             1.1%;  Score 13.4;  DB 1;  Length 19;
  Best Local Similarity   73.3%;  Pred. No. 3.3e+02;
  Matches   11;  Conservative    3;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        530 AATTTCAGTAAACAA 544
              ||:::||| ||||||
Db          4 AAUUUCAGGAAACAA 18


RESULT 165
US-10-251-117-947/c
```

Sequence 947, Application US/10251117
Publication No. US20030170891A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, James
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Epidermal Growth Factor R
TITLE OF INVENTION: Gene Expression Using Short Interfering RNA
FILE REFERENCE: 900/042 (MBHB02-468-A)
CURRENT APPLICATION NUMBER: US/10/251,117
CURRENT FILING DATE: 2003-02-24
PRIOR APPLICATION NUMBER: US 60/393,924
PRIOR FILING DATE: 2002-07-03
PRIOR APPLICATION NUMBER: US 10/163,552
PRIOR FILING DATE: 2002-06-06
PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR FILING DATE: 2002-02-20
PRIOR APPLICATION NUMBER: US 09/916,466
PRIOR FILING DATE: 2001-07-25
PRIOR APPLICATION NUMBER: US 60/296,249
PRIOR FILING DATE: 2001-06-06
NUMBER OF SEQ ID NOS: 1213
SOFTWARE: PatentIn version 3.0
SEQ ID NO 947
LENGTH: 19
TYPE: RNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region
S-10-251-117-947

Query Match 1.1%; Score 13.4; DB 1; Length 19;
Best Local Similarity 93.3%; Pred. No. 3.3e+02;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

y 530 AATTTCAGTAAACAA 544
||||||| ||||||
b 16 AATTTCAGGAAACAA 2

ESULT 166
S-09-994-311-6/c
Sequence 6, Application US/09994311
Publication No. US20030082556A1
GENERAL INFORMATION:
APPLICANT: Kaufman, Joseph C.
APPLICANT: Roth, Matthew E.
APPLICANT: Lizardi, Paul M.
APPLICANT: Feng, Li
APPLICANT: Latimer, Darin R.
TITLE OF INVENTION: Binary Encoded Sequence Tags
FILE REFERENCE: AGL 100
CURRENT APPLICATION NUMBER: US/09/994,311
CURRENT FILING DATE: 2001-11-26
PRIOR APPLICATION NUMBER: US/09/637,751
PRIOR FILING DATE: 2000-08-11
NUMBER OF SEQ ID NOS: 10
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 6
LENGTH: 18
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Primer
S-09-994-311-6

Query Match 1.1%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 3.4e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

y 616 ACAAAAAACAACAAATAA 633
||||||| || ||| ||
b 18 ACAAAAAAAAAAAAAAAA 1

RESULT 167
US-10-297-068-166
; Sequence 166, Application US/10297068
; Publication No. US20030228585A1
; GENERAL INFORMATION:
; APPLICANT: INOKO, Hidetoshi
; APPLICANT: KAGIYA, Taeko
; APPLICANT: ICHIHARA, Tatsuo
; APPLICANT: Matsumura, Yoshiyuki
; APPLICANT: MORIYA, Shogo
; APPLICANT: NISHIDA, Michio
; TITLE OF INVENTION: KIT AND METHOD FOR DETERMINING HLA TYPES
; FILE REFERENCE: 1314OP1174
; CURRENT APPLICATION NUMBER: US/10/297,068
; CURRENT FILING DATE: 2002-11-27
; PRIOR APPLICATION NUMBER: JP 2000-164798
; PRIOR FILING DATE: 2000-06-01
; NUMBER OF SEQ ID NOS: 1298
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 166
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:capture
US-10-297-068-166

Query Match 1.1%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 3.4e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 519 GGTTAAATTTGAATTTCA 536
| |||| ||||||| |||
Db 1 GCTTAAGTTTGAATGTCA 18

RESULT 168
US-10-168-771-81/c
; Sequence 81, Application US/10168771
; Publication No. US20030148974A1
; GENERAL INFORMATION:
; APPLICANT: Brett P. Monia
; APPLICANT: Lex M. Cowsert
; APPLICANT: Richard A. Roth
; APPLICANT: ISIS PHARMACEUTICALS, INC.
; APPLICANT: LELAND STANFORD JUNIOR UNIVERSITY
; TITLE OF INVENTION: ANTISENSE MODULATION OF Akt-3 EXPRESSION
; FILE REFERENCE: RTSP-0322
; CURRENT APPLICATION NUMBER: US/10/168,771
; CURRENT FILING DATE: 2002-06-21
; PRIOR APPLICATION NUMBER: 09/474,922
; PRIOR FILING DATE: 1999-12-29
; NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 81
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-168-771-81

Query Match 1.1%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 3.4e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1596 AAAAGTAAATATGAAACA 1613
||||| || ||||| |||
Db 18 AAAAGAAATTATGAGACA 1

RESULT 169
US-10-310-294-57/c

; Sequence 57, Application US/10310294
; Publication No. US20030148985A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Morrissey, Dave
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: METHOD AND REAGENT FOR THE INHIBITION OF HEPATITIS B VIRUS REPLIC
; FILE REFERENCE: 01,1728-A 400/072
; CURRENT APPLICATION NUMBER: US/10/310,294
; CURRENT FILING DATE: 2002-12-05
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 57
; LENGTH: 18
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: HBV Decoy Nucleic Acid
US-10-310-294-57

Query Match 1.1%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 3.4e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1102 ATGAATCATTGATTGAAT 1119
|||||| | ||| |||||
Db 18 ATGAATGAATGAATGAAT 1

RESULT 170
US-10-169-519A-22/c
; Sequence 22, Application US/10169519A
; Publication No. US20030186905A1
; GENERAL INFORMATION:
; APPLICANT: Hadasit Medical Research Services & Development LT
; TITLE OF INVENTION: CIS-ACTING REGULATORY NUCLEIC ACID SEQUENCES IN THE
; TITLE OF INVENTION: PARATHYROID HORMON 3'-UTR
; FILE REFERENCE: 10356WO
; CURRENT APPLICATION NUMBER: US/10/169,519A
; CURRENT FILING DATE: 2003-04-08
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 22
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:3' PRIMER FOR
; OTHER INFORMATION: 40 TRANSCRIPT
US-10-169-519A-22

Query Match 1.1%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 3.4e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 585 CTTATATGTAAAGTATTA 602
||| | | ||||||||||
Db 18 CTTCTTTTTAAAGTATTA 1

RESULT 171
US-10-043-875-9/c
; Sequence 9, Application US/10043875
; Publication No. US20030054339A1
; GENERAL INFORMATION:
; APPLICANT: De Smet, Koenraad
; APPLICANT: Stuyver, Lieven
; TITLE OF INVENTION: Method for Detection of Drug-Induced Mutations in the HIV Reverse
; TITLE OF INVENTION: Transcriptase Gene
; FILE REFERENCE: 11362-0033-NPUS01 (INNS:033)
; CURRENT APPLICATION NUMBER: US/10/043,875
; CURRENT FILING DATE: 2002-04-03
; PRIOR APPLICATION NUMBER: 60/286,102
; PRIOR FILING DATE: 2001-04-24
; PRIOR APPLICATION NUMBER: EP 01870085.6
; PRIOR FILING DATE: 2001-04-20
; PRIOR APPLICATION NUMBER: EP 01870005.4
; PRIOR FILING DATE: 2001-01-11
; NUMBER OF SEQ ID NOS: 884
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 9
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Human immunodeficiency virus
US-10-043-875-9

Query Match 1.1%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 3.4e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1570 TACTGTTTCTGATTGTAT 1587
||||||| |||||| | |
Db 18 TACTGTTACTGATTTTTT 1

RESULT 172
US-10-146-575-15
; Sequence 15, Application US/10146575
; Publication No. US20030059800A1
; GENERAL INFORMATION:
; APPLICANT: Lichter, Jay
; APPLICANT: Guido, Marco
; TITLE OF INVENTION: GENOTYPING OF HUMAN CYP3A4
; FILE REFERENCE: SEQ-12P
; CURRENT APPLICATION NUMBER: US/10/146,575
; CURRENT FILING DATE: 2002-05-14
; PRIOR APPLICATION NUMBER: US/09/144,367
; PRIOR FILING DATE: 1998-08-31
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 15
; LENGTH: 18
; TYPE: DNA
; ORGANISM: H. sapiens
US-10-146-575-15

Query Match 1.1%; Score 13.2; DB 1; Length 18;
Best Local Similarity 83.3%; Pred. No. 3.4e+02;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 414 CAAGAATCAGTGAAGATG 431
|||||| ||| ||||| |
Db 1 CAAGAAACAGAGAAGAGG 18

RESULT 173
US-10-146-575-29
; Sequence 29, Application US/10146575
; Publication No. US20030059800A1
; GENERAL INFORMATION:
; APPLICANT: Lichter, Jay
; APPLICANT: Guido, Marco
; TITLE OF INVENTION: GENOTYPING OF HUMAN CYP3A4
; FILE REFERENCE: SEQ-12P
; CURRENT APPLICATION NUMBER: US/10/146,575
; CURRENT FILING DATE: 2002-05-14
; PRIOR APPLICATION NUMBER: US/09/144,367
; PRIOR FILING DATE: 1998-08-31
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 29
; LENGTH: 18
; TYPE: DNA
; ORGANISM: H. sapiens
US-10-146-575-29

```
 Query Match             1.1%;  Score 13.2;  DB 1;  Length 18;
 Best Local Similarity   83.3%;  Pred. No. 3.4e+02;
 Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

y        414 CAAGAATCAGTGAAGATG 431
             |||||| ||| ||||| |
b          1 CAAGAAACAGAGAAGAGG 18
```

ESULT 174
S-09-864-636A-1147
 Sequence 1147, Application US/09864636A
 Publication No. US20030104378A1
 GENERAL INFORMATION:
  APPLICANT: Third Wave Technologies
  APPLICANT: Allwai, Hatim
  APPLICANT: Bartholomay, Christian
  APPLICANT: Chehak, LuAnne
  TITLE OF INVENTION: Detection of RNA Sequences
  FILE REFERENCE: FORS-04944
  CURRENT APPLICATION NUMBER: US/09/864,636A
  CURRENT FILING DATE: 2002-10-15
  NUMBER OF SEQ ID NOS: 2640
  SOFTWARE: PatentIn version 3.0
 SEQ ID NO 1147
   LENGTH: 37
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Synthetic
S-09-864-636A-1147

```
 Query Match             1.1%;  Score 13.2;  DB 1;  Length 37;
 Best Local Similarity   61.8%;  Pred. No. 4.8e+02;
 Matches   21;  Conservative    0;  Mismatches   13;  Indels    0;  Gaps    0;

y        703 CCAAGAGAATATCCGAACTTTAATTTCAGGAATT 736
             || |   |||  | ||| || || ||| |  |||
b          1 CCCATTCAATTCCTGAAATTAAAGTTCGGATATT 34
```

ESULT 175
S-09-864-636A-1148
 Sequence 1148, Application US/09864636A
 Publication No. US20030104378A1
 GENERAL INFORMATION:
  APPLICANT: Third Wave Technologies
  APPLICANT: Allwai, Hatim
  APPLICANT: Bartholomay, Christian
  APPLICANT: Chehak, LuAnne
  TITLE OF INVENTION: Detection of RNA Sequences
  FILE REFERENCE: FORS-04944
  CURRENT APPLICATION NUMBER: US/09/864,636A
  CURRENT FILING DATE: 2002-10-15
  NUMBER OF SEQ ID NOS: 2640
  SOFTWARE: PatentIn version 3.0
 SEQ ID NO 1148
   LENGTH: 37
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Synthetic
S-09-864-636A-1148

```
 Query Match             1.1%;  Score 13.2;  DB 1;  Length 37;
 Best Local Similarity   61.8%;  Pred. No. 4.8e+02;
 Matches   21;  Conservative    0;  Mismatches   13;  Indels    0;  Gaps    0;

y        703 CCAAGAGAATATCCGAACTTTAATTTCAGGAATT 736
             || |   |||  | ||| || || ||| |  |||
b          1 CCCATTCAATTCCTGAAATTAAAGTTCGGATATT 34
```

RESULT 176
US-10-084-839-1147
; Sequence 1147, Application US/10084839
; Publication No. US20030186238A1
; GENERAL INFORMATION:
; APPLICANT: Third Wave Technologies
; APPLICANT: Allawi, Hatim
; APPLICANT: Argue, Brad T.
; APPLICANT: Bartholomay, Christian T.
; APPLICANT: Chehak, LuAnne
; APPLICANT: Curtis, Michelle L.
; APPLICANT: Eis, Peggy S.
; APPLICANT: Hall, Jeff G.
; APPLICANT: Ip, Hon S.
; APPLICANT: Ji, Lin
; APPLICANT: Kaiser, Michael
; APPLICANT: Kwiatkowski, Jr., Robert W.
; APPLICANT: Lukowiak, Andrew A.
; APPLICANT: Lyamichev, Victor
; APPLICANT: Lymaicheva, Natalie E.
; APPLICANT: Ma, WuPo
; APPLICANT: Neri, Bruce P.
; APPLICANT: Olson, Sarah M.
; APPLICANT: Olson-Munoz, Marilyn C.
; APPLICANT: Schaefer, James J.
; APPLICANT: Skrzypczynski, Zbigniew
; APPLICANT: Takova, Tsetska Y.
; APPLICANT: Thompson, Lisa C.
; APPLICANT: Vedvik, Kevin L.
; TITLE OF INVENTION: RNA Detection Assays
; FILE REFERENCE: FORS-06666
; CURRENT APPLICATION NUMBER: US/10/084,839
; CURRENT FILING DATE: 2002-02-26
; NUMBER OF SEQ ID NOS: 4004
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1147
;   LENGTH: 37
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic
US-10-084-839-1147

```
  Query Match             1.1%;  Score 13.2;  DB 1;  Length 37;
  Best Local Similarity   61.8%;  Pred. No. 4.8e+02;
  Matches   21;  Conservative    0;  Mismatches   13;  Indels    0;  Gaps    0;

Qy       703 CCAAGAGAATATCCGAACTTTAATTTCAGGAATT 736
             || |   |||  | ||| || || ||| |  |||
Db         1 CCCATTCAATTCCTGAAATTAAAGTTCGGATATT 34
```

RESULT 177
US-10-084-839-1148
; Sequence 1148, Application US/10084839
; Publication No. US20030186238A1
; GENERAL INFORMATION:
; APPLICANT: Third Wave Technologies
; APPLICANT: Allawi, Hatim
; APPLICANT: Argue, Brad T.
; APPLICANT: Bartholomay, Christian T.
; APPLICANT: Chehak, LuAnne
; APPLICANT: Curtis, Michelle L.
; APPLICANT: Eis, Peggy S.
; APPLICANT: Hall, Jeff G.
; APPLICANT: Ip, Hon S.
; APPLICANT: Ji, Lin
; APPLICANT: Kaiser, Michael
; APPLICANT: Kwiatkowski, Jr., Robert W.
; APPLICANT: Lukowiak, Andrew A.
; APPLICANT: Lyamichev, Victor
; APPLICANT: Lymaicheva, Natalie E.
; APPLICANT: Ma, WuPo

```
  APPLICANT:  Neri, Bruce P.
  APPLICANT:  Olson, Sarah M.
  APPLICANT:  Olson-Munoz, Marilyn C.
  APPLICANT:  Schaefer, James J.
  APPLICANT:  Skrzypczynski, Zbigniew
  APPLICANT:  Takova, Tsetska Y.
  APPLICANT:  Thompson, Lisa C.
  APPLICANT:  Vedvik, Kevin L.
  TITLE OF INVENTION: RNA Detection Assays
  FILE REFERENCE: FORS-06666
  CURRENT APPLICATION NUMBER: US/10/084,839
  CURRENT FILING DATE:  2002-02-26
  NUMBER OF SEQ ID NOS: 4004
  SOFTWARE: PatentIn version 3.1
 SEQ ID NO 1148
   LENGTH: 37
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Synthetic
JS-10-084-839-1148

  Query Match             1.1%;  Score 13.2;  DB 1;  Length 37;
  Best Local Similarity   61.8%;  Pred. No. 4.8e+02;
  Matches   21;  Conservative    0;  Mismatches   13;  Indels    0;  Gaps    0;

Qy        703 CCAAGAGAATATCCGAACTTTAATTTCAGGAATT 736
              || |   |||  | ||| || || ||| |  |||
Db          1 CCCATTCAATTCCTGAAATTAAAGTTCGGATATT 34


RESULT 178
JS-09-864-636A-1138
; Sequence 1138, Application US/09864636A
; Publication No. US20030104378A1
; GENERAL INFORMATION:
;  APPLICANT: Third Wave Technologies
;  APPLICANT:  Allwai, Hatim
;  APPLICANT:  Bartholomay, Christian
;  APPLICANT:  Chehak, LuAnne
;  TITLE OF INVENTION: Detection of RNA Sequences
;  FILE REFERENCE: FORS-04944
;  CURRENT APPLICATION NUMBER: US/09/864,636A
;  CURRENT FILING DATE:  2002-10-15
;  NUMBER OF SEQ ID NOS: 2640
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1138
;   LENGTH: 42
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic
US-09-864-636A-1138

  Query Match             1.1%;  Score 13.2;  DB 1;  Length 42;
  Best Local Similarity   61.8%;  Pred. No. 4.7e+02;
  Matches   21;  Conservative    0;  Mismatches   13;  Indels    0;  Gaps    0;

Qy        710 AATATCCGAACTTTAATTTCAGGAATTGAATGGG 743
              |||  | ||| || ||  ||| |  |||   | ||
Db          7 AATTCCTGAAATTAAAGTTCGGATATTCTCTTGG 40


RESULT 179
US-10-084-839-1138
; Sequence 1138, Application US/10084839
; Publication No. US20030186238A1
; GENERAL INFORMATION:
;  APPLICANT: Third Wave Technologies
;  APPLICANT:  Allawi, Hatim
;  APPLICANT:  Argue, Brad T.
;  APPLICANT:  Bartholomay, Christian T.
;  APPLICANT:  Chehak, LuAnne
;  APPLICANT:  Curtis, Michelle L.
;  APPLICANT:  Eis, Peggy S.
;  APPLICANT:  Hall, Jeff G.
;  APPLICANT:  Ip, Hon S.
;  APPLICANT:  Ji, Lin
;  APPLICANT:  Kaiser, Michael
;  APPLICANT:  Kwiatkowski, Jr., Robert W.
;  APPLICANT:  Lukowiak, Andrew A.
;  APPLICANT:  Lyamichev, Victor
;  APPLICANT:  Lymaicheva, Natalie E.
;  APPLICANT:  Ma, WuPo
;  APPLICANT:  Neri, Bruce P.
;  APPLICANT:  Olson, Sarah M.
;  APPLICANT:  Olson-Munoz, Marilyn C.
;  APPLICANT:  Schaefer, James J.
;  APPLICANT:  Skrzypczynski, Zbigniew
;  APPLICANT:  Takova, Tsetska Y.
;  APPLICANT:  Thompson, Lisa C.
;  APPLICANT:  Vedvik, Kevin L.
;  TITLE OF INVENTION: RNA Detection Assays
;  FILE REFERENCE: FORS-06666
;  CURRENT APPLICATION NUMBER: US/10/084,839
;  CURRENT FILING DATE:  2002-02-26
;  NUMBER OF SEQ ID NOS: 4004
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1138
;   LENGTH: 42
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic
US-10-084-839-1138

  Query Match             1.1%;  Score 13.2;  DB 1;  Length 42;
  Best Local Similarity   61.8%;  Pred. No. 4.7e+02;
  Matches   21;  Conservative    0;  Mismatches   13;  Indels    0;  Gaps    0;

Qy        710 AATATCCGAACTTTAATTTCAGGAATTGAATGGG 743
              |||  | ||| || ||  ||| |  |||   | ||
Db          7 AATTCCTGAAATTAAAGTTCGGATATTCTCTTGG 40


RESULT 180
US-09-263-959-520/c
; Sequence 520, Application US/09263959
; Patent No. US20020150891A1
;  GENERAL INFORMATION:
;    APPLICANT:  Hood, Leroy E.
;    APPLICANT:  Rowen, Lee
;    APPLICANT:  Koop, Ben F.
;    TITLE OF INVENTION:  DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH UTI
;    NUMBER OF SEQUENCES:  1279
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Seed and Berry LLP
;      STREET:  6300 Columbia Center, 701 Fifth Avenue
;      CITY:  Seattle
;      STATE:  Washington
;      COUNTRY:  US
;      ZIP:  98104-7092
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/263,959
;      FILING DATE:  05-MAR-1999
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  McMasters, David D.
;      REGISTRATION NUMBER:  33,963
;      REFERENCE/DOCKET NUMBER:  920010.426C2
;    TELECOMMUNICATION INFORMATION:
```

```
      TELEPHONE:  (206) 622-4900
      TELEFAX:  (206) 682-6031
  INFORMATION FOR SEQ ID NO:  520:
    SEQUENCE CHARACTERISTICS:
      LENGTH:  13 base pairs
      TYPE:  nucleic acid
      STRANDEDNESS:  single
      TOPOLOGY:  linear
S-09-263-959-520

 Query Match             1.0%;  Score 13;  DB 1;  Length 13;
 Best Local Similarity   100.0%;  Pred. No. 2.7e+02;
 Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

y       1143 TTTATTTTATTTT 1155
             |||||||||||||
o         13 TTTATTTTATTTT 1


ESULT 181
S-09-263-959-667
 Sequence 667, Application US/09263959
 Patent No. US20020150891A1
  GENERAL INFORMATION:
    APPLICANT:  Hood, Leroy E.
    APPLICANT:  Rowen, Lee
    APPLICANT:  Koop, Ben F.
    TITLE OF INVENTION:  DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH UTI
    NUMBER OF SEQUENCES:  1279
    CORRESPONDENCE ADDRESS:
      ADDRESSEE:  Seed and Berry LLP
      STREET:  6300 Columbia Center, 701 Fifth Avenue
      CITY:  Seattle
      STATE:  Washington
      COUNTRY:  US
      ZIP:  98104-7092
    COMPUTER READABLE FORM:
      MEDIUM TYPE:  Floppy disk
      COMPUTER:  IBM PC compatible
      OPERATING SYSTEM:  PC-DOS/MS-DOS
      SOFTWARE:  PatentIn Release #1.0, Version #1.25
    CURRENT APPLICATION DATA:
      APPLICATION NUMBER:  US/09/263,959
      FILING DATE:  05-MAR-1999
      CLASSIFICATION:
    ATTORNEY/AGENT INFORMATION:
      NAME:  McMasters, David D.
      REGISTRATION NUMBER:  33,963
      REFERENCE/DOCKET NUMBER:  920010.426C2
    TELECOMMUNICATION INFORMATION:
      TELEPHONE:  (206) 622-4900
      TELEFAX:  (206) 682-6031
  INFORMATION FOR SEQ ID NO:  667:
    SEQUENCE CHARACTERISTICS:
      LENGTH:  14 base pairs
      TYPE:  nucleic acid
      STRANDEDNESS:  single
      TOPOLOGY:  linear
S-09-263-959-667

 Query Match             1.0%;  Score 13;  DB 1;  Length 14;
 Best Local Similarity   100.0%;  Pred. No. 2.9e+02;
 Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

y       1143 TTTATTTTATTTT 1155
             |||||||||||||
b          2 TTTATTTTATTTT 14


ESULT 182
S-10-044-674-53
 Sequence 53, Application US/10044674
 Publication No. US20030175710A1
; GENERAL INFORMATION:
;  APPLICANT: Chew, Anne
;  APPLICANT:  Denton, R. Rex
;  APPLICANT:  Bieglecki, Karyn M
;  APPLICANT:  Nandabalan, Krishnan
;  APPLICANT:  Stephens, J. Claiborne
;  TITLE OF INVENTION: HAPLOTYPES OF THE TNFRSF11B GENE
;  FILE REFERENCE: TNFRSF11B_MWH-0001US (CIP)
;  CURRENT APPLICATION NUMBER: US/10/044,674
;  CURRENT FILING DATE:  2002-01-09
;  PRIOR APPLICATION NUMBER: PCT/US00/18803
;  PRIOR FILING DATE: 2000-07-10
;  NUMBER OF SEQ ID NOS: 94
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 53
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-044-674-53

  Query Match             1.0%;  Score 13;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 3.1e+02;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1147 TTTTATTTTAGAT 1159
              |||||||||||||
Db          1 TTTTATTTTAGAT 13


RESULT 183
US-10-357-488-33
; Sequence 33, Application US/10357488
; Publication No. US20030194730A1
; GENERAL INFORMATION:
;  APPLICANT: Centre For DNA Fingerprinting and Diagnostics
;  TITLE OF INVENTION: No. US20030194730A1el FISSR-PCR primers and markers and a method
;  TITLE OF INVENTION:  primers and markers for identifying genetic constitution and bre
;  TITLE OF INVENTION:  varities.
;  FILE REFERENCE: 782-indian
;  CURRENT APPLICATION NUMBER: US/10/357,488
;  CURRENT FILING DATE:  2003-02-04
;  PRIOR APPLICATION NUMBER: 260/MAS/2002
;  PRIOR FILING DATE: 2002-04-08
;  NUMBER OF SEQ ID NOS: 37
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 33
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: A novel FISSR-PCR primer for genotyping eukaryotes
US-10-357-488-33

  Query Match             1.0%;  Score 13;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 3.1e+02;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1207 AAACAAACAAACA 1219
              |||||||||||||
Db          1 AAACAAACAAACA 13


RESULT 184
US-10-001-835-27/c
; Sequence 27, Application US/10001835
; Publication No. US20020160387A1
; GENERAL INFORMATION:
;  APPLICANT: Salceda, Susana
;  APPLICANT:  Macina, Roberto
;  APPLICANT:  Recipon, Herve
;  APPLICANT:  Cafferkey, Robert
;  APPLICANT:  Sun, Yongming
;  APPLICANT:  Liu, Chenghua
```

```
;  TITLE OF INVENTION: Compositions and Methods Relating to Ovary Specific Genes and Pro
;  FILE REFERENCE: DEX-0277
;  CURRENT APPLICATION NUMBER: US/10/001,835
;  CURRENT FILING DATE:  2001-11-20
;  PRIOR APPLICATION NUMBER: 60/249,997
;  PRIOR FILING DATE: 2000-11-20
;  NUMBER OF SEQ ID NOS: 228
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 27
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Homo sapien
US-10-001-835-27

  Query Match             1.0%;  Score 13;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 3.1e+02;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1038 TATTTATTATTTA 1050
              |||||||||||||
Db         13 TATTTATTATTTA 1


RESULT 185
US-09-263-959-472/c
; Sequence 472, Application US/09263959
; Patent No. US20020150891A1
;  GENERAL INFORMATION:
;    APPLICANT:  Hood, Leroy E.
;    APPLICANT:  Rowen, Lee
;    APPLICANT:  Koop, Ben F.
;    TITLE OF INVENTION:  DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH UTI
;    NUMBER OF SEQUENCES:  1279
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Seed and Berry LLP
;      STREET:  6300 Columbia Center, 701 Fifth Avenue
;      CITY:  Seattle
;      STATE:  Washington
;      COUNTRY:  US
;      ZIP:  98104-7092
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/263,959
;      FILING DATE:  05-MAR-1999
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  McMasters, David D.
;      REGISTRATION NUMBER:  33,963
;      REFERENCE/DOCKET NUMBER:  920010.426C2
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (206) 622-4900
;      TELEFAX:  (206) 682-6031
;  INFORMATION FOR SEQ ID NO:  472:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  16 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-09-263-959-472

  Query Match             1.0%;  Score 13;  DB 1;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 3.3e+02;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1144 TTATTTTATTTTA 1156
              |||||||||||||
Db         16 TTATTTTATTTTA 4


RESULT 186
US-09-866-108-7598
; Sequence 7598, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00662
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00661
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00670
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 60/234,687
;  PRIOR FILING DATE: 2000-09-21
;  PRIOR APPLICATION NUMBER: US 60/266,860
;  PRIOR FILING DATE: 2001-02-05
;  NUMBER OF SEQ ID NOS: 15752
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 7598
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-866-108-7598

  Query Match             1.0%;  Score 13;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 3.4e+02;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        939 GCCACCATCTTAC 951
              |||||||||||||
Db          5 GCCACCATCTTAC 17


RESULT 187
US-09-866-108-7604
; Sequence 7604, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
```

APPLICANT: CHEN, Wensheng
APPLICANT: SHANNON, Mark
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: AEOMICA-7
CURRENT APPLICATION NUMBER: US/09/866,108
CURRENT FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR FILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00662
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00661
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00670
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: US 60/234,687
PRIOR FILING DATE: 2000-09-21
PRIOR APPLICATION NUMBER: US 60/266,860
PRIOR FILING DATE: 2001-02-05
NUMBER OF SEQ ID NOS: 15752
SOFTWARE: Aeomica Sequence Listing Engine
SEQ ID NO 7604
LENGTH: 17
TYPE: DNA
ORGANISM: Homo sapiens
JS-09-866-108-7604

Query Match 1.0%; Score 13; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 3.4e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 941 CACCATCTTACCT 953
||||||||||||||
Db 1 CACCATCTTACCT 13

RESULT 188
JS-09-730-289B-614
; Sequence 614, Application US/09730289B
; Publication No. US20030050259A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for Treatment of Cardiac Disease
; FILE REFERENCE: MBHB00-864-A (400/006)
; CURRENT APPLICATION NUMBER: US/09/730,289B
; CURRENT FILING DATE: 2000-12-05
; PRIOR APPLICATION NUMBER: US 60/169,100
; PRIOR FILING DATE: 1999-12-06
; NUMBER OF SEQ ID NOS: 3897
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 614
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-730-289B-614

Query Match 1.0%; Score 13; DB 1; Length 17;
Best Local Similarity 84.6%; Pred. No. 3.4e+02;
Matches 11; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 610 GAATCTACAAAAA 622
||| :|:|||||||
Db 1 GAAUCUACAAAAA 13

RESULT 189
US-09-818-875-1774/c
; Sequence 1774, Application US/09818875
; Publication No. US20030051270A1
; GENERAL INFORMATION:
; APPLICANT: Kmiec, Eric B.
; APPLICANT: Gamper, Howard B.
; APPLICANT: Rice, Michael C.
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
; TITLE OF INVENTION: Stranded Oligonucleotides
; FILE REFERENCE: Napro-4
; CURRENT APPLICATION NUMBER: US/09/818,875
; CURRENT FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: US 60/192,176
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/192,179
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/208,538
; PRIOR FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/244,989
; PRIOR FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 4385
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 1774
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-818-875-1774

Query Match 1.0%; Score 13; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 3.4e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 510 AAGATTCCTGGTT 522
||||||||||||||
Db 17 AAGATTCCTGGTT 5

RESULT 190
US-09-818-875-1775
; Sequence 1775, Application US/09818875
; Publication No. US20030051270A1
; GENERAL INFORMATION:
; APPLICANT: Kmiec, Eric B.
; APPLICANT: Gamper, Howard B.
; APPLICANT: Rice, Michael C.
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
; TITLE OF INVENTION: Stranded Oligonucleotides
; FILE REFERENCE: Napro-4
; CURRENT APPLICATION NUMBER: US/09/818,875
; CURRENT FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: US 60/192,176
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/192,179
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/208,538
; PRIOR FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/244,989
; PRIOR FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 4385
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 1775

```
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-818-875-1775

  Query Match             1.0%;  Score 13;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 3.4e+02;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        510 AAGATTCCTGGTT 522
              |||||||||||||
Db          1 AAGATTCCTGGTT 13


RESULT 191
US-09-818-875-1778/c
; Sequence 1778, Application US/09818875
; Publication No. US20030051270A1
; GENERAL INFORMATION:
;  APPLICANT: Kmiec, Eric B.
;  APPLICANT:  Gamper, Howard B.
;  APPLICANT:  Rice, Michael C.
;  TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
;  TITLE OF INVENTION:  Stranded Oligonucleotides
;  FILE REFERENCE: Napro-4
;  CURRENT APPLICATION NUMBER: US/09/818,875
;  CURRENT FILING DATE:  2001-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,176
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,179
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/208,538
;  PRIOR FILING DATE: 2000-06-01
;  PRIOR APPLICATION NUMBER: US 60/244,989
;  PRIOR FILING DATE: 2000-10-30
;  NUMBER OF SEQ ID NOS: 4385
;  SOFTWARE: Friedman macro Napro4
; SEQ ID NO 1778
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-818-875-1778

  Query Match             1.0%;  Score 13;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 3.4e+02;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        510 AAGATTCCTGGTT 522
              |||||||||||||
Db         16 AAGATTCCTGGTT 4


RESULT 192
US-09-818-875-1779
; Sequence 1779, Application US/09818875
; Publication No. US20030051270A1
; GENERAL INFORMATION:
;  APPLICANT: Kmiec, Eric B.
;  APPLICANT:  Gamper, Howard B.
;  APPLICANT:  Rice, Michael C.
;  TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
;  TITLE OF INVENTION:  Stranded Oligonucleotides
;  FILE REFERENCE: Napro-4
;  CURRENT APPLICATION NUMBER: US/09/818,875
;  CURRENT FILING DATE:  2001-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,176
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,179
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/208,538
;  PRIOR FILING DATE: 2000-06-01
;  PRIOR APPLICATION NUMBER: US 60/244,989
;  PRIOR FILING DATE: 2000-10-30
;  NUMBER OF SEQ ID NOS: 4385
;  SOFTWARE: Friedman macro Napro4
; SEQ ID NO 1779
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-818-875-1779

  Query Match             1.0%;  Score 13;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 3.4e+02;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        510 AAGATTCCTGGTT 522
              |||||||||||||
Db          2 AAGATTCCTGGTT 14


RESULT 193
US-09-848-754A-514
; Sequence 514, Application US/09848754A
; Publication No. US20030073207A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relat
;  TITLE OF INVENTION:  Levels of Epidermal Growth Factor Receptors
;  FILE REFERENCE: MBHB00-958-I (400/018)
;  CURRENT APPLICATION NUMBER: US/09/848,754A
;  CURRENT FILING DATE:  2001-05-03
;  NUMBER OF SEQ ID NOS: 9645
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 514
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-848-754A-514

  Query Match             1.0%;  Score 13;  DB 1;  Length 17;
  Best Local Similarity   38.5%;  Pred. No. 3.4e+02;
  Matches    5;  Conservative    8;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        550 AGTTTTTCATTGT 562
              ||:::::||::|:
Db          5 AGUUUUUCAUUGU 17


RESULT 194
US-09-848-754A-515
; Sequence 515, Application US/09848754A
; Publication No. US20030073207A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relat
;  TITLE OF INVENTION:  Levels of Epidermal Growth Factor Receptors
;  FILE REFERENCE: MBHB00-958-I (400/018)
;  CURRENT APPLICATION NUMBER: US/09/848,754A
;  CURRENT FILING DATE:  2001-05-03
;  NUMBER OF SEQ ID NOS: 9645
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 515
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-848-754A-515

  Query Match             1.0%;  Score 13;  DB 1;  Length 17;
  Best Local Similarity   38.5%;  Pred. No. 3.4e+02;
  Matches    5;  Conservative    8;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        550 AGTTTTTCATTGT 562
              ||:::::||::|:
Db          4 AGUUUUUCAUUGU 16
```

ESULT 195
JS-09-848-754A-516
Sequence 516, Application US/09848754A
Publication No. US20030073207A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
TITLE OF INVENTION: Levels of Epidermal Growth Factor Receptors
FILE REFERENCE: MBHB00-958-I (400/018)
CURRENT APPLICATION NUMBER: US/09/848,754A
CURRENT FILING DATE: 2001-05-03
NUMBER OF SEQ ID NOS: 9645
SOFTWARE: PatentIn version 3.0
SEQ ID NO 516
LENGTH: 17
TYPE: RNA
ORGANISM: Homo sapiens
JS-09-848-754A-516

Query Match 1.0%; Score 13; DB 1; Length 17;
Best Local Similarity 38.5%; Pred. No. 3.4e+02;
Matches 5; Conservative 8; Mismatches 0; Indels 0; Gaps 0;

Qy 550 AGTTTTTCATTGT 562
||:::::||::|:
Db 3 AGUUUUUCAUUGU 15

ESULT 196
S-09-848-754A-517
Sequence 517, Application US/09848754A
Publication No. US20030073207A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
TITLE OF INVENTION: Levels of Epidermal Growth Factor Receptors
FILE REFERENCE: MBHB00-958-I (400/018)
CURRENT APPLICATION NUMBER: US/09/848,754A
CURRENT FILING DATE: 2001-05-03
NUMBER OF SEQ ID NOS: 9645
SOFTWARE: PatentIn version 3.0
SEQ ID NO 517
LENGTH: 17
TYPE: RNA
ORGANISM: Homo sapiens
S-09-848-754A-517

Query Match 1.0%; Score 13; DB 1; Length 17;
Best Local Similarity 38.5%; Pred. No. 3.4e+02;
Matches 5; Conservative 8; Mismatches 0; Indels 0; Gaps 0;

Qy 550 AGTTTTTCATTGT 562
||:::::||::|:
Db 2 AGUUUUUCAUUGU 14

ESULT 197
S-09-848-754A-1816
Sequence 1816, Application US/09848754A
Publication No. US20030073207A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
TITLE OF INVENTION: Levels of Epidermal Growth Factor Receptors
FILE REFERENCE: MBHB00-958-I (400/018)
CURRENT APPLICATION NUMBER: US/09/848,754A
CURRENT FILING DATE: 2001-05-03
NUMBER OF SEQ ID NOS: 9645
SOFTWARE: PatentIn version 3.0
SEQ ID NO 1816
LENGTH: 17
TYPE: RNA
ORGANISM: Homo sapiens
US-09-848-754A-1816

Query Match 1.0%; Score 13; DB 1; Length 17;
Best Local Similarity 38.5%; Pred. No. 3.4e+02;
Matches 5; Conservative 8; Mismatches 0; Indels 0; Gaps 0;

Qy 550 AGTTTTTCATTGT 562
||:::::||::|:
Db 1 AGUUUUUCAUUGU 13

RESULT 198
US-09-848-754A-3748
; Sequence 3748, Application US/09848754A
; Publication No. US20030073207A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relat
; TITLE OF INVENTION: Levels of Epidermal Growth Factor Receptors
; FILE REFERENCE: MBHB00-958-I (400/018)
; CURRENT APPLICATION NUMBER: US/09/848,754A
; CURRENT FILING DATE: 2001-05-03
; NUMBER OF SEQ ID NOS: 9645
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3748
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-848-754A-3748

Query Match 1.0%; Score 13; DB 1; Length 17;
Best Local Similarity 76.9%; Pred. No. 3.4e+02;
Matches 10; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

Qy 1600 GTAAATATGAAAC 1612
|:|||:|:|||||
Db 1 GUAAAUAUGAAAC 13

RESULT 199
US-10-166-225A-28
; Sequence 28, Application US/10166225A
; Publication No. US20030148416A1
; GENERAL INFORMATION:
; APPLICANT: BERRY, Alan
; APPLICANT: BRETZEL, Werner
; APPLICANT: HUMBELIN, Markus
; APPLICANT: LOPEZ-ULIBARRI, Rual
; APPLICANT: MAYER, Anne F.
; APPLICANT: YELISEEV, Alexei A.
; TITLE OF INVENTION: IMPROVED ISOPRENOID PRODUCTION
; FILE REFERENCE: C38435/121966
; CURRENT APPLICATION NUMBER: US/10/166,225A
; CURRENT FILING DATE: 2002-06-05
; NUMBER OF SEQ ID NOS: 197
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 28
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Paracoccus sp. R1534
US-10-166-225A-28

Query Match 1.0%; Score 13; DB 1; Length 17;
Best Local Similarity 76.5%; Pred. No. 3.4e+02;
Matches 13; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

Qy 1066 ATCAAATATTTGTGCAA 1082
|||||:||:| | ||||
Db 1 ATCAARTAYTGGGGCAA 17

RESULT 200
US-10-209-787-1774/c

; Sequence 1774, Application US/10209787
; Publication No. US20030217377A1
; GENERAL INFORMATION:
; APPLICANT: Kmiec, Eric B.
; APPLICANT: Gamper, Howard B.
; APPLICANT: Rice, Michael C.
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
; TITLE OF INVENTION: Stranded Oligonucleotides
; FILE REFERENCE: Napro-4
; CURRENT APPLICATION NUMBER: US/10/209,787
; CURRENT FILING DATE: 2002-07-30
; PRIOR APPLICATION NUMBER: US 09/818,875
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: US 60/192,176
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/192,179
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/208,538
; PRIOR FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/244,989
; PRIOR FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 4385
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 1774
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-209-787-1774

Query Match 1.0%; Score 13; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 3.4e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 510 AAGATTCCTGGTT 522
||||||||||||
Db 17 AAGATTCCTGGTT 5

RESULT 201
US-10-209-787-1775
; Sequence 1775, Application US/10209787
; Publication No. US20030217377A1
; GENERAL INFORMATION:
; APPLICANT: Kmiec, Eric B.
; APPLICANT: Gamper, Howard B.
; APPLICANT: Rice, Michael C.
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
; TITLE OF INVENTION: Stranded Oligonucleotides
; FILE REFERENCE: Napro-4
; CURRENT APPLICATION NUMBER: US/10/209,787
; CURRENT FILING DATE: 2002-07-30
; PRIOR APPLICATION NUMBER: US 09/818,875
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: US 60/192,176
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/192,179
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/208,538
; PRIOR FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/244,989
; PRIOR FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 4385
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 1775
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-209-787-1775

Query Match 1.0%; Score 13; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 3.4e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 510 AAGATTCCTGGTT 522
||||||||||||
Db 1 AAGATTCCTGGTT 13

RESULT 202
US-10-209-787-1778/c
; Sequence 1778, Application US/10209787
; Publication No. US20030217377A1
; GENERAL INFORMATION:
; APPLICANT: Kmiec, Eric B.
; APPLICANT: Gamper, Howard B.
; APPLICANT: Rice, Michael C.
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
; TITLE OF INVENTION: Stranded Oligonucleotides
; FILE REFERENCE: Napro-4
; CURRENT APPLICATION NUMBER: US/10/209,787
; CURRENT FILING DATE: 2002-07-30
; PRIOR APPLICATION NUMBER: US 09/818,875
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: US 60/192,176
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/192,179
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/208,538
; PRIOR FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/244,989
; PRIOR FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 4385
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 1778
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-209-787-1778

Query Match 1.0%; Score 13; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 3.4e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 510 AAGATTCCTGGTT 522
||||||||||||
Db 16 AAGATTCCTGGTT 4

RESULT 203
US-10-209-787-1779
; Sequence 1779, Application US/10209787
; Publication No. US20030217377A1
; GENERAL INFORMATION:
; APPLICANT: Kmiec, Eric B.
; APPLICANT: Gamper, Howard B.
; APPLICANT: Rice, Michael C.
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
; TITLE OF INVENTION: Stranded Oligonucleotides
; FILE REFERENCE: Napro-4
; CURRENT APPLICATION NUMBER: US/10/209,787
; CURRENT FILING DATE: 2002-07-30
; PRIOR APPLICATION NUMBER: US 09/818,875
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: US 60/192,176
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/192,179
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/208,538
; PRIOR FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/244,989
; PRIOR FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 4385
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 1779
; LENGTH: 17
; TYPE: DNA

ORGANISM: Homo sapiens
S-10-209-787-1779

Query Match 1.0%; Score 13; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 3.4e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

y 510 AAGATTCCTGGTT 522
||||||||||||||
b 2 AAGATTCCTGGTT 14

ESULT 204
S-09-851-501-29/c
Sequence 29, Application US/09851501
Patent No. US20020119442A1
GENERAL INFORMATION:
APPLICANT: DUNLOP, Charles, L.M.
APPLICANT: WEISEL, James, M.
TITLE OF INVENTION: APPROACHES TO IDENTIFY GENETIC TRAITS
FILE REFERENCE: CHARDUN.001CP1
CURRENT APPLICATION NUMBER: US/09/851,501
CURRENT FILING DATE: 2001-05-08
PRIOR APPLICATION NUMBER: PCT/US00/30493
PRIOR FILING DATE: 2000-11-03
PRIOR APPLICATION NUMBER: 60/165,301
PRIOR FILING DATE: 1999-11-12
NUMBER OF SEQ ID NOS: 44
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 29
LENGTH: 18
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Diagnostic Oligonucleotide
S-09-851-501-29

Query Match 1.0%; Score 13; DB 1; Length 18;
Best Local Similarity 100.0%; Pred. No. 3.6e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

y 799 TGCCATAAAGTCA 811
||||||||||||||
b 14 TGCCATAAAGTCA 2

ESULT 205
S-10-142-722-29/c
Sequence 29, Application US/10142722
Publication No. US20030039996A1
GENERAL INFORMATION:
APPLICANT: DUNLOP, Charles, L.M.
APPLICANT: WEISEL, James, M.
TITLE OF INVENTION: APPROACHES TO IDENTIFY GENETIC TRAITS
FILE REFERENCE: CHARDUN.001C1
CURRENT APPLICATION NUMBER: US/10/142,722
CURRENT FILING DATE: 2002-09-04
PRIOR APPLICATION NUMBER: PCT/US00/30493
PRIOR FILING DATE: 2000-11-03
PRIOR APPLICATION NUMBER: 60/165,301
PRIOR FILING DATE: 1999-11-12
NUMBER OF SEQ ID NOS: 44
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 29
LENGTH: 18
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Diagnostic Oligonucleotide
S-10-142-722-29

Query Match 1.0%; Score 13; DB 1; Length 18;
Best Local Similarity 100.0%; Pred. No. 3.6e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 799 TGCCATAAAGTCA 811
||||||||||||||
Db 14 TGCCATAAAGTCA 2

RESULT 206
US-09-972-469-17
; Sequence 17, Application US/09972469
; Publication No. US20030073085A1
; GENERAL INFORMATION:
; APPLICANT: Lai, Fang
; APPLICANT: Zhou, Daixing
; TITLE OF INVENTION: AMPLIFYING EXPRESSED SEQUENCES FROM GENOMIC DNA OF HIGHER-ORDER
; TITLE OF INVENTION: EUKARYOTIC ORGANISMS FOR DNA ARRAYS
; FILE REFERENCE: SP01-290
; CURRENT APPLICATION NUMBER: US/09/972,469
; CURRENT FILING DATE: 2001-10-05
; NUMBER OF SEQ ID NOS: 196
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 17
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-972-469-17

Query Match 1.0%; Score 13; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 3.9e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 488 GTAGGGTTGCCAG 500
||||||||||||||
Db 6 GTAGGGTTGCCAG 18

RESULT 207
US-09-882-945A-305
; Sequence 305, Application US/09882945A
; Publication No. US20030143535A1
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor
; APPLICANT: Allawi, Hatim
; APPLICANT: Dong, Fang
; APPLICANT: Neri, Bruce
; APPLICANT: Vener, Tatiana
; TITLE OF INVENTION: Nucleic Acid Accessible Hybridization Sites
; FILE REFERENCE: FORS-04586
; CURRENT APPLICATION NUMBER: US/09/882,945A
; CURRENT FILING DATE: 2001-06-15
; NUMBER OF SEQ ID NOS: 334
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 305
; LENGTH: 30
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-09-882-945A-305

Query Match 1.0%; Score 13; DB 1; Length 30;
Best Local Similarity 76.2%; Pred. No. 4.8e+02;
Matches 16; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

Qy 1444 CTGGTTGAAACTTGTTTATTA 1464
||| |||||| || | || ||
Db 1 CTGATTGAAATTTATCTAATA 21

RESULT 208
US-09-823-847-35
; Sequence 35, Application US/09823847
; Patent No. US20020137905A1

```
; GENERAL INFORMATION:
;  APPLICANT: THE SCRIPPS RESEARCH INSTITUTE
;  APPLICANT:  SIMS, Peter
;  APPLICANT:  SILVERMAN, Robert
;  APPLICANT:  WIEDMER, Therese
;  TITLE OF INVENTION: PHOSPHOLIPID SCRAMBLASES AND METHODS OF USE THEREOF
;  FILE REFERENCE: SCRIP1220-1
;  CURRENT APPLICATION NUMBER: US/09/823,847
;  CURRENT FILING DATE:  2001-03-30
;  PRIOR APPLICATION NUMBER: US 60/193,939
;  PRIOR FILING DATE: 2000-03-31
;  NUMBER OF SEQ ID NOS: 45
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 35
;   LENGTH: 16
;   TYPE: DNA
;   ORGANISM: Artificial sequence
;   FEATURE:
;   OTHER INFORMATION: Human Scramblase Splice acceptor site 5
US-09-823-847-35

  Query Match             1.0%;  Score 12.8;  DB 1;  Length 16;
  Best Local Similarity   87.5%;  Pred. No. 3.5e+02;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1196 GTTTTTAGATTAAACA 1211
              ||||||||  || ||||
Db          1 GTTTTTAGTTTTAACA 16


RESULT 209
US-10-182-230-187
; Sequence 187, Application US/10182230
; Publication No. US20030215817A1
; GENERAL INFORMATION:
;  APPLICANT: Leonardi, Amedeo
;  APPLICANT:  Sartani, Abraham
;  APPLICANT:  Glass, James R.
;  APPLICANT:  Sutcliffe, J. Gregor
;  APPLICANT:  Hasel, Karl W.
;  TITLE OF INVENTION: Modulation of Gene Expression in Formation of Fatty Atherosclerot
;  TITLE OF INVENTION:  Lesions
;  FILE REFERENCE: 216019-143
;  CURRENT APPLICATION NUMBER: US/10/182,230
;  CURRENT FILING DATE:  2003-02-03
;  PRIOR APPLICATION NUMBER: 60/177,963
;  PRIOR FILING DATE: 2000-01-25
;  NUMBER OF SEQ ID NOS: 197
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 187
;   LENGTH: 16
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: RT-PCR 5' PCR primer for REC1
;   OTHER INFORMATION: _22 clone
US-10-182-230-187

  Query Match             1.0%;  Score 12.8;  DB 1;  Length 16;
  Best Local Similarity   87.5%;  Pred. No. 3.5e+02;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        897 GTGCCTTGGTTTCTCC 912
              | ||||||| ||||||
Db          1 GGGCCTTGGCTTCTCC 16


RESULT 210
US-10-287-919-2269/c
; Sequence 2269, Application US/10287919
; Publication No. US20030085830A1
; GENERAL INFORMATION:
;  APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
;  TITLE OF INVENTION: Methanococcus jannaschii complete genome.
;  FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
;  CURRENT APPLICATION NUMBER: US/10/287,919
;  CURRENT FILING DATE:  2002-11-05
;  NUMBER OF SEQ ID NOS: 2706
;  SOFTWARE: Proprietary
; SEQ ID NO 2269
;   LENGTH: 16
;   TYPE: DNA
;   ORGANISM: Methanococcus jannaschii complete genome.
;   FEATURE:
;   LOCATION: (1400177)...(1400192)
;   OTHER INFORMATION: Chromosome = 1  Strand = negative  ConnectronObjectNumber =  289
US-10-287-919-2269

  Query Match             1.0%;  Score 12.8;  DB 1;  Length 16;
  Best Local Similarity   87.5%;  Pred. No. 3.5e+02;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1060 TTAAGCATCAAATATT 1075
              ||| |||| |||||||
Db         16 TTATGCATTAAATATT 1


RESULT 211
US-10-287-919-2308/c
; Sequence 2308, Application US/10287919
; Publication No. US20030085830A1
; GENERAL INFORMATION:
;  APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
;  TITLE OF INVENTION: Methanococcus jannaschii complete genome.
;  FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
;  CURRENT APPLICATION NUMBER: US/10/287,919
;  CURRENT FILING DATE:  2002-11-05
;  NUMBER OF SEQ ID NOS: 2706
;  SOFTWARE: Proprietary
; SEQ ID NO 2308
;   LENGTH: 16
;   TYPE: DNA
;   ORGANISM: Methanococcus jannaschii complete genome.
;   FEATURE:
;   LOCATION: (1435633)...(1435648)
;   OTHER INFORMATION: Chromosome = 1  Strand = negative  ConnectronObjectNumber =  295
US-10-287-919-2308

  Query Match             1.0%;  Score 12.8;  DB 1;  Length 16;
  Best Local Similarity   87.5%;  Pred. No. 3.5e+02;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1060 TTAAGCATCAAATATT 1075
              ||| |||| |||||||
Db         16 TTATGCATTAAATATT 1


RESULT 212
US-09-730-289B-125/c
; Sequence 125, Application US/09730289B
; Publication No. US20030050259A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Blatt, Larry
;  APPLICANT:  McSwiggen, Jim
;  TITLE OF INVENTION: Method and Reagent for Treatment of Cardiac Disease
;  FILE REFERENCE: MBHB00-864-A (400/006)
;  CURRENT APPLICATION NUMBER: US/09/730,289B
;  CURRENT FILING DATE:  2000-12-05
;  PRIOR APPLICATION NUMBER: US 60/169,100
;  PRIOR FILING DATE: 1999-12-06
;  NUMBER OF SEQ ID NOS: 3897
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 125
;   LENGTH: 17
;   TYPE: RNA
```

ORGANISM: Homo sapiens
S-09-730-289B-125

Query Match 1.0%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 3.7e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 633 ATTTTTGAATATAAGG 648
||||||||| |||| |
Db 17 ATTTTTGAAAATAAAG 2

RESULT 213
S-09-730-289B-169
Sequence 169, Application US/09730289B
Publication No. US20030050259A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Blatt, Larry
APPLICANT: McSwiggen, Jim
TITLE OF INVENTION: Method and Reagent for Treatment of Cardiac Disease
FILE REFERENCE: MBHB00-864-A (400/006)
CURRENT APPLICATION NUMBER: US/09/730,289B
CURRENT FILING DATE: 2000-12-05
PRIOR APPLICATION NUMBER: US 60/169,100
PRIOR FILING DATE: 1999-12-06
NUMBER OF SEQ ID NOS: 3897
SOFTWARE: PatentIn version 3.0
SEQ ID NO 169
LENGTH: 17
TYPE: RNA
ORGANISM: Homo sapiens
S-09-730-289B-169

Query Match 1.0%; Score 12.8; DB 1; Length 17;
Best Local Similarity 18.8%; Pred. No. 3.7e+02;
Matches 3; Conservative 11; Mismatches 2; Indels 0; Gaps 0;

Qy 1562 ATTTTTTTTACTGTTT 1577
|:: ::::: |: :::
Db 2 AUUAUUUUUACUCUUU 17

RESULT 214
S-09-730-289B-170
Sequence 170, Application US/09730289B
Publication No. US20030050259A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Blatt, Larry
APPLICANT: McSwiggen, Jim
TITLE OF INVENTION: Method and Reagent for Treatment of Cardiac Disease
FILE REFERENCE: MBHB00-864-A (400/006)
CURRENT APPLICATION NUMBER: US/09/730,289B
CURRENT FILING DATE: 2000-12-05
PRIOR APPLICATION NUMBER: US 60/169,100
PRIOR FILING DATE: 1999-12-06
NUMBER OF SEQ ID NOS: 3897
SOFTWARE: PatentIn version 3.0
SEQ ID NO 170
LENGTH: 17
TYPE: RNA
ORGANISM: Homo sapiens
S-09-730-289B-170

Query Match 1.0%; Score 12.8; DB 1; Length 17;
Best Local Similarity 18.8%; Pred. No. 3.7e+02;
Matches 3; Conservative 11; Mismatches 2; Indels 0; Gaps 0;

Qy 1562 ATTTTTTTTACTGTTT 1577
|:: ::::: |: :::
Db 1 AUUAUUUUUACUCUUU 16

RESULT 215
US-09-730-289B-177/c
; Sequence 177, Application US/09730289B
; Publication No. US20030050259A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for Treatment of Cardiac Disease
; FILE REFERENCE: MBHB00-864-A (400/006)
; CURRENT APPLICATION NUMBER: US/09/730,289B
; CURRENT FILING DATE: 2000-12-05
; PRIOR APPLICATION NUMBER: US 60/169,100
; PRIOR FILING DATE: 1999-12-06
; NUMBER OF SEQ ID NOS: 3897
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 177
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-730-289B-177

Query Match 1.0%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 3.7e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1005 ACATAAATTATTTTCA 1020
| |||||||| ||||
Db 17 ATATAAATTATATTCA 2

RESULT 216
US-09-730-289B-178/c
; Sequence 178, Application US/09730289B
; Publication No. US20030050259A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for Treatment of Cardiac Disease
; FILE REFERENCE: MBHB00-864-A (400/006)
; CURRENT APPLICATION NUMBER: US/09/730,289B
; CURRENT FILING DATE: 2000-12-05
; PRIOR APPLICATION NUMBER: US 60/169,100
; PRIOR FILING DATE: 1999-12-06
; NUMBER OF SEQ ID NOS: 3897
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 178
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-730-289B-178

Query Match 1.0%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 3.7e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1003 TAACATAAATTATTTT 1018
||| |||||||||| ||
Db 16 TAATATAAATTATATT 1

RESULT 217
US-09-730-289B-899/c
; Sequence 899, Application US/09730289B
; Publication No. US20030050259A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for Treatment of Cardiac Disease
; FILE REFERENCE: MBHB00-864-A (400/006)

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;  CURRENT APPLICATION NUMBER: US/09/730,289B
;  CURRENT FILING DATE:  2000-12-05
;  PRIOR APPLICATION NUMBER: US 60/169,100
;  PRIOR FILING DATE: 1999-12-06
;  NUMBER OF SEQ ID NOS: 3897
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 899
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-730-289B-899

  Query Match             1.0%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 3.7e+02;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1293 TCTGAAATTTTAATTG 1308
              |||||| |||||| ||
Db         16 TCTGAAGTTTTAAGTG 1


RESULT 218
US-09-818-875-759/c
; Sequence 759, Application US/09818875
; Publication No. US20030051270A1
; GENERAL INFORMATION:
;  APPLICANT: Kmiec, Eric B.
;  APPLICANT:  Gamper, Howard B.
;  APPLICANT:  Rice, Michael C.
;  TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
;  TITLE OF INVENTION:  Stranded Oligonucleotides
;  FILE REFERENCE: Napro-4
;  CURRENT APPLICATION NUMBER: US/09/818,875
;  CURRENT FILING DATE:  2001-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,176
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,179
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/208,538
;  PRIOR FILING DATE: 2000-06-01
;  PRIOR APPLICATION NUMBER: US 60/244,989
;  PRIOR FILING DATE: 2000-10-30
;  NUMBER OF SEQ ID NOS: 4385
;  SOFTWARE: Friedman macro Napro4
; SEQ ID NO 759
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-818-875-759

  Query Match             1.0%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 3.7e+02;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        524 AATTTGAATTTCAGTA 539
              |||||| | |||||||
Db         16 AATTTGCAATTCAGTA 1


RESULT 219
US-09-818-875-760
; Sequence 760, Application US/09818875
; Publication No. US20030051270A1
; GENERAL INFORMATION:
;  APPLICANT: Kmiec, Eric B.
;  APPLICANT:  Gamper, Howard B.
;  APPLICANT:  Rice, Michael C.
;  TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
;  TITLE OF INVENTION:  Stranded Oligonucleotides
;  FILE REFERENCE: Napro-4
;  CURRENT APPLICATION NUMBER: US/09/818,875
;  CURRENT FILING DATE:  2001-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,176
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,179
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/208,538
;  PRIOR FILING DATE: 2000-06-01
;  PRIOR APPLICATION NUMBER: US 60/244,989
;  PRIOR FILING DATE: 2000-10-30
;  NUMBER OF SEQ ID NOS: 4385
;  SOFTWARE: Friedman macro Napro4
; SEQ ID NO 760
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-818-875-760

  Query Match             1.0%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 3.7e+02;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        524 AATTTGAATTTCAGTA 539
              |||||| | |||||||
Db          2 AATTTGCAATTCAGTA 17


RESULT 220
US-09-818-875-1459/c
; Sequence 1459, Application US/09818875
; Publication No. US20030051270A1
; GENERAL INFORMATION:
;  APPLICANT: Kmiec, Eric B.
;  APPLICANT:  Gamper, Howard B.
;  APPLICANT:  Rice, Michael C.
;  TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
;  TITLE OF INVENTION:  Stranded Oligonucleotides
;  FILE REFERENCE: Napro-4
;  CURRENT APPLICATION NUMBER: US/09/818,875
;  CURRENT FILING DATE:  2001-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,176
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,179
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/208,538
;  PRIOR FILING DATE: 2000-06-01
;  PRIOR APPLICATION NUMBER: US 60/244,989
;  PRIOR FILING DATE: 2000-10-30
;  NUMBER OF SEQ ID NOS: 4385
;  SOFTWARE: Friedman macro Napro4
; SEQ ID NO 1459
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-818-875-1459

  Query Match             1.0%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 3.7e+02;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1577 TCTGATTGTATGGAAA 1592
              |||| ||||| |||||
Db         16 TCTGTTTGTAAGGAAA 1


RESULT 221
US-09-818-875-1460
; Sequence 1460, Application US/09818875
; Publication No. US20030051270A1
; GENERAL INFORMATION:
;  APPLICANT: Kmiec, Eric B.
;  APPLICANT:  Gamper, Howard B.
;  APPLICANT:  Rice, Michael C.
;  TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
;  TITLE OF INVENTION:  Stranded Oligonucleotides
;  FILE REFERENCE: Napro-4
```

```
  CURRENT APPLICATION NUMBER: US/09/818,875
  CURRENT FILING DATE:  2001-03-27
  PRIOR APPLICATION NUMBER: US 60/192,176
  PRIOR FILING DATE: 2000-03-27
  PRIOR APPLICATION NUMBER: US 60/192,179
  PRIOR FILING DATE: 2000-03-27
  PRIOR APPLICATION NUMBER: US 60/208,538
  PRIOR FILING DATE: 2000-06-01
  PRIOR APPLICATION NUMBER: US 60/244,989
  PRIOR FILING DATE: 2000-10-30
  NUMBER OF SEQ ID NOS: 4385
  SOFTWARE: Friedman macro Napro4
 SEQ ID NO 1460
   LENGTH: 17
   TYPE: DNA
   ORGANISM: Homo sapiens
S-09-818-875-1460

 Query Match             1.0%;  Score 12.8;  DB 1;  Length 17;
 Best Local Similarity   87.5%;  Pred. No. 3.7e+02;
 Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

y       1577 TCTGATTGTATGGAAA 1592
             |||| ||||| |||||
b          2 TCTGTTTGTAAGGAAA 17


ESULT 222
S-09-780-533A-430
 Sequence 430, Application US/09780533A
 Publication No. US20030060611A1
 GENERAL INFORMATION:
  APPLICANT: Ribozyme Pharmaceuticals, Inc.
  APPLICANT:  Blatt, Larry
  APPLICANT:  McSwiggen, Jim
  APPLICANT:  Chowrira, Bharat
  APPLICANT:  Haeberli, Pete
  TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Gene
  FILE REFERENCE: MBHB00,878-A (400/011)
  CURRENT APPLICATION NUMBER: US/09/780,533A
  CURRENT FILING DATE:  2001-02-09
  PRIOR APPLICATION NUMBER: US 60/181,797
  PRIOR FILING DATE: 2000-02-11
  NUMBER OF SEQ ID NOS: 6679
  SOFTWARE: PatentIn version 3.0
 SEQ ID NO 430
   LENGTH: 17
   TYPE: RNA
   ORGANISM: Homo sapiens
S-09-780-533A-430

 Query Match             1.0%;  Score 12.8;  DB 1;  Length 17;
 Best Local Similarity   37.5%;  Pred. No. 3.7e+02;
 Matches    6;  Conservative    8;  Mismatches    2;  Indels    0;  Gaps    0;

y        909 CTCCTTTATTTCTAAG 924
             |:  :::|:::|:|||
b          2 CUUAUUUAUUUCUAAG 17


ESULT 223
S-09-780-533A-457/c
 Sequence 457, Application US/09780533A
 Publication No. US20030060611A1
 GENERAL INFORMATION:
  APPLICANT: Ribozyme Pharmaceuticals, Inc.
  APPLICANT:  Blatt, Larry
  APPLICANT:  McSwiggen, Jim
  APPLICANT:  Chowrira, Bharat
  APPLICANT:  Haeberli, Pete
  TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Gene
  FILE REFERENCE: MBHB00,878-A (400/011)
  CURRENT APPLICATION NUMBER: US/09/780,533A
  CURRENT FILING DATE:  2001-02-09
  PRIOR APPLICATION NUMBER: US 60/181,797
  PRIOR FILING DATE: 2000-02-11
  NUMBER OF SEQ ID NOS: 6679
  SOFTWARE: PatentIn version 3.0
 SEQ ID NO 457
   LENGTH: 17
   TYPE: RNA
   ORGANISM: Homo sapiens
US-09-780-533A-457

  Query Match             1.0%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 3.7e+02;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1096 TAGAAGATGAATCATT 1111
              ||||| |||||||| |
Db         17 TAGAAAATGAATCAGT 2


RESULT 224
US-09-780-533A-1316/c
 Sequence 1316, Application US/09780533A
 Publication No. US20030060611A1
 GENERAL INFORMATION:
  APPLICANT: Ribozyme Pharmaceuticals, Inc.
  APPLICANT:  Blatt, Larry
  APPLICANT:  McSwiggen, Jim
  APPLICANT:  Chowrira, Bharat
  APPLICANT:  Haeberli, Pete
  TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Gene
  FILE REFERENCE: MBHB00,878-A (400/011)
  CURRENT APPLICATION NUMBER: US/09/780,533A
  CURRENT FILING DATE:  2001-02-09
  PRIOR APPLICATION NUMBER: US 60/181,797
  PRIOR FILING DATE: 2000-02-11
  NUMBER OF SEQ ID NOS: 6679
  SOFTWARE: PatentIn version 3.0
 SEQ ID NO 1316
   LENGTH: 17
   TYPE: RNA
   ORGANISM: Homo sapiens
US-09-780-533A-1316

  Query Match             1.0%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 3.7e+02;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1096 TAGAAGATGAATCATT 1111
              ||||| |||||||| |
Db         16 TAGAAAATGAATCAGT 1


RESULT 225
US-09-780-533A-1612
 Sequence 1612, Application US/09780533A
 Publication No. US20030060611A1
 GENERAL INFORMATION:
  APPLICANT: Ribozyme Pharmaceuticals, Inc.
  APPLICANT:  Blatt, Larry
  APPLICANT:  McSwiggen, Jim
  APPLICANT:  Chowrira, Bharat
  APPLICANT:  Haeberli, Pete
  TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Gene
  FILE REFERENCE: MBHB00,878-A (400/011)
  CURRENT APPLICATION NUMBER: US/09/780,533A
  CURRENT FILING DATE:  2001-02-09
  PRIOR APPLICATION NUMBER: US 60/181,797
  PRIOR FILING DATE: 2000-02-11
  NUMBER OF SEQ ID NOS: 6679
  SOFTWARE: PatentIn version 3.0
 SEQ ID NO 1612
   LENGTH: 17
```

; TYPE: RNA
; ORGANISM: Homo sapiens
JS-09-780-533A-1612

Query Match 1.0%; Score 12.8; DB 1; Length 17;
Best Local Similarity 62.5%; Pred. No. 3.7e+02;
Matches 10; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

Qy 429 ATGCCAGTGAAACTTC 444
|:| |||:||| |::|
Db 1 AUGUCAGUGAAGCUUC 16

RESULT 226
JS-09-780-533A-2193/c
; Sequence 2193, Application US/09780533A
; Publication No. US20030060611A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; APPLICANT: Chowrira, Bharat
; APPLICANT: Haeberli, Pete
; TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Gene
; FILE REFERENCE: MBHB00,878-A (400/011)
; CURRENT APPLICATION NUMBER: US/09/780,533A
; CURRENT FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: US 60/181,797
; PRIOR FILING DATE: 2000-02-11
; NUMBER OF SEQ ID NOS: 6679
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2193
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
JS-09-780-533A-2193

Query Match 1.0%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 3.7e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1276 AAGTACATTATTGTTT 1291
|||| |||| ||||||
Db 16 AAGTCCATTTTTGTTT 1

RESULT 227
US-09-877-478-45
; Sequence 45, Application US/09877478
; Publication No. US20030068301A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Draper, Kenneth
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; APPLICANT: Morrissey, Dave
; TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
; FILE REFERENCE: MBHB00-845-H (400/029)
; CURRENT APPLICATION NUMBER: US/09/877,478
; CURRENT FILING DATE: 2001-12-31
; PRIOR APPLICATION NUMBER: US 07/882,712
; PRIOR FILING DATE: 1992-05-14
; PRIOR APPLICATION NUMBER: US 09/531,025
; PRIOR FILING DATE: 2000-03-20
; PRIOR APPLICATION NUMBER: US 09/636,385
; PRIOR FILING DATE: 2000-08-09
; PRIOR APPLICATION NUMBER: US 09/696,347
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 08/193,627
; PRIOR FILING DATE: 1994-02-07
; PRIOR APPLICATION NUMBER: US 08/433,993
; PRIOR FILING DATE: 1995-05-04
; PRIOR APPLICATION NUMBER: US 08/434,504
; PRIOR FILING DATE: 1995-05-04
; PRIOR APPLICATION NUMBER: US 09/436,430
; PRIOR FILING DATE: 1999-11-08
; NUMBER OF SEQ ID NOS: 6586
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 45
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Hepatitis B virus
US-09-877-478-45

Query Match 1.0%; Score 12.8; DB 1; Length 17;
Best Local Similarity 43.8%; Pred. No. 3.7e+02;
Matches 7; Conservative 7; Mismatches 2; Indels 0; Gaps 0;

Qy 1433 GTAATTTCTTGCTGGT 1448
|:| :::| :||:||:
Db 2 GUACUUUCCUGCUGGU 17

RESULT 228
US-09-877-478-720
; Sequence 720, Application US/09877478
; Publication No. US20030068301A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Draper, Kenneth
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; APPLICANT: Morrissey, Dave
; TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
; FILE REFERENCE: MBHB00-845-H (400/029)
; CURRENT APPLICATION NUMBER: US/09/877,478
; CURRENT FILING DATE: 2001-12-31
; PRIOR APPLICATION NUMBER: US 07/882,712
; PRIOR FILING DATE: 1992-05-14
; PRIOR APPLICATION NUMBER: US 09/531,025
; PRIOR FILING DATE: 2000-03-20
; PRIOR APPLICATION NUMBER: US 09/636,385
; PRIOR FILING DATE: 2000-08-09
; PRIOR APPLICATION NUMBER: US 09/696,347
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 08/193,627
; PRIOR FILING DATE: 1994-02-07
; PRIOR APPLICATION NUMBER: US 08/433,993
; PRIOR FILING DATE: 1995-05-04
; PRIOR APPLICATION NUMBER: US 08/434,504
; PRIOR FILING DATE: 1995-05-04
; PRIOR APPLICATION NUMBER: US 09/436,430
; PRIOR FILING DATE: 1999-11-08
; NUMBER OF SEQ ID NOS: 6586
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 720
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Hepatitis B virus
US-09-877-478-720

Query Match 1.0%; Score 12.8; DB 1; Length 17;
Best Local Similarity 43.8%; Pred. No. 3.7e+02;
Matches 7; Conservative 7; Mismatches 2; Indels 0; Gaps 0;

Qy 1433 GTAATTTCTTGCTGGT 1448
|:| :::| :||:||:
Db 1 GUACUUUCCUGCUGGU 16

RESULT 229
US-09-877-478-1643/c
; Sequence 1643, Application US/09877478
; Publication No. US20030068301A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: Draper, Kenneth
APPLICANT: Blatt, Larry
APPLICANT: McSwiggen, Jim
APPLICANT: Morrissey, Dave
TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
FILE REFERENCE: MBHB00-845-H (400/029)
CURRENT APPLICATION NUMBER: US/09/877,478
CURRENT FILING DATE: 2001-12-31
PRIOR APPLICATION NUMBER: US 07/882,712
PRIOR FILING DATE: 1992-05-14
PRIOR APPLICATION NUMBER: US 09/531,025
PRIOR FILING DATE: 2000-03-20
PRIOR APPLICATION NUMBER: US 09/636,385
PRIOR FILING DATE: 2000-08-09
PRIOR APPLICATION NUMBER: US 09/696,347
PRIOR FILING DATE: 2000-10-24
PRIOR APPLICATION NUMBER: US 08/193,627
PRIOR FILING DATE: 1994-02-07
PRIOR APPLICATION NUMBER: US 08/433,993
PRIOR FILING DATE: 1995-05-04
PRIOR APPLICATION NUMBER: US 08/434,504
PRIOR FILING DATE: 1995-05-04
PRIOR APPLICATION NUMBER: US 09/436,430
PRIOR FILING DATE: 1999-11-08
NUMBER OF SEQ ID NOS: 6586
SOFTWARE: PatentIn version 3.0
SEQ ID NO 1643
LENGTH: 17
TYPE: RNA
ORGANISM: Hepatitis B virus
3-09-877-478-1643

Query Match 1.0%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 3.7e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 617 CAAAAAACAACAAATA 632
||||| ||| ||||||
Db 16 CAAAAGACACCAAATA 1

RESULT 230
S-09-877-478-2041/c
Sequence 2041, Application US/09877478
Publication No. US20030068301A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Draper, Kenneth
APPLICANT: Blatt, Larry
APPLICANT: McSwiggen, Jim
APPLICANT: Morrissey, Dave
TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
FILE REFERENCE: MBHB00-845-H (400/029)
CURRENT APPLICATION NUMBER: US/09/877,478
CURRENT FILING DATE: 2001-12-31
PRIOR APPLICATION NUMBER: US 07/882,712
PRIOR FILING DATE: 1992-05-14
PRIOR APPLICATION NUMBER: US 09/531,025
PRIOR FILING DATE: 2000-03-20
PRIOR APPLICATION NUMBER: US 09/636,385
PRIOR FILING DATE: 2000-08-09
PRIOR APPLICATION NUMBER: US 09/696,347
PRIOR FILING DATE: 2000-10-24
PRIOR APPLICATION NUMBER: US 08/193,627
PRIOR FILING DATE: 1994-02-07
PRIOR APPLICATION NUMBER: US 08/433,993
PRIOR FILING DATE: 1995-05-04
PRIOR APPLICATION NUMBER: US 08/434,504
PRIOR FILING DATE: 1995-05-04
PRIOR APPLICATION NUMBER: US 09/436,430
PRIOR FILING DATE: 1999-11-08
NUMBER OF SEQ ID NOS: 6586
SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2041
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Hepatitis B virus
US-09-877-478-2041

Query Match 1.0%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 3.7e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1556 CTCCAAATTTTTTTTA 1571
||||||||| ||| ||
Db 16 CTCCAAATTCTTTATA 1

RESULT 231
US-09-877-478-2385/c
; Sequence 2385, Application US/09877478
; Publication No. US20030068301A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Draper, Kenneth
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; APPLICANT: Morrissey, Dave
; TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
; FILE REFERENCE: MBHB00-845-H (400/029)
; CURRENT APPLICATION NUMBER: US/09/877,478
; CURRENT FILING DATE: 2001-12-31
; PRIOR APPLICATION NUMBER: US 07/882,712
; PRIOR FILING DATE: 1992-05-14
; PRIOR APPLICATION NUMBER: US 09/531,025
; PRIOR FILING DATE: 2000-03-20
; PRIOR APPLICATION NUMBER: US 09/636,385
; PRIOR FILING DATE: 2000-08-09
; PRIOR APPLICATION NUMBER: US 09/696,347
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 08/193,627
; PRIOR FILING DATE: 1994-02-07
; PRIOR APPLICATION NUMBER: US 08/433,993
; PRIOR FILING DATE: 1995-05-04
; PRIOR APPLICATION NUMBER: US 08/434,504
; PRIOR FILING DATE: 1995-05-04
; PRIOR APPLICATION NUMBER: US 09/436,430
; PRIOR FILING DATE: 1999-11-08
; NUMBER OF SEQ ID NOS: 6586
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2385
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Hepatitis B virus
US-09-877-478-2385

Query Match 1.0%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 3.7e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1557 TCCAAATTTTTTTTAC 1572
||||||||| ||| |||
Db 17 TCCAAATTCTTTATAC 2

RESULT 232
US-09-740-332-1258/c
; Sequence 1258, Application US/09740332
; Publication No. US20030125270A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
; TITLE OF INVENTION: Hepatitis C Virus Infection
; FILE REFERENCE: RPI 400/003
; CURRENT APPLICATION NUMBER: US/09/740,332
; CURRENT FILING DATE: 2001-03-26

```
;  NUMBER OF SEQ ID NOS: 9704
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1258
;    LENGTH: 17
;    TYPE: RNA
;    ORGANISM: artificial sequence
;    FEATURE:
;    NAME/KEY: misc_feature
;    LOCATION:
;    OTHER INFORMATION: oligonucleotide substrate
US-09-740-332-1258

  Query Match             1.0%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 3.7e+02;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        893 CACTGTGCCTTGGTTT 908
              ||||||| |||||| |
Db         17 CACTGTGGCTTGGTAT 2


RESULT 233
US-09-740-332-3297
; Sequence 3297, Application US/09740332
; Publication No. US20030125270A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals Inc.
;  TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
;  TITLE OF INVENTION:  Hepatitis C Virus Infection
;  FILE REFERENCE: RPI 400/003
;  CURRENT APPLICATION NUMBER: US/09/740,332
;  CURRENT FILING DATE:  2001-03-26
;  NUMBER OF SEQ ID NOS: 9704
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3297
;    LENGTH: 17
;    TYPE: RNA
;    ORGANISM: artificial sequence
;    FEATURE:
;    NAME/KEY: misc_feature
;    LOCATION:
;    OTHER INFORMATION: oligonucleotide substrate
US-09-740-332-3297

  Query Match             1.0%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   50.0%;  Pred. No. 3.7e+02;
  Matches    8;  Conservative    6;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        893 CACTGTGCCTTGGTTT 908
              |||:|:| |::||: :
Db          2 CACUGUGGCUUGGUAU 17


RESULT 234
US-10-238-700-320
; Sequence 320, Application US/10238700
; Publication No. US20030153521A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, James
;  TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Level
;  FILE REFERENCE: 400/057  (MBHB01-1158-A)
;  CURRENT APPLICATION NUMBER: US/10/238,700
;  CURRENT FILING DATE:  2002-09-18
;  PRIOR APPLICATION NUMBER: PCT/US 02/16840
;  PRIOR FILING DATE: 2002-05-29
;  PRIOR APPLICATION NUMBER: US 60/318,471
;  PRIOR FILING DATE: 2001-09-10
;  NUMBER OF SEQ ID NOS: 4666
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 320
;    LENGTH: 17
;    TYPE: RNA
;    ORGANISM: Homo sapiens
US-10-238-700-320

  Query Match             1.0%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   50.0%;  Pred. No. 3.7e+02;
  Matches    8;  Conservative    6;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1176 TTAGATAAATTTCAAT 1191
              ::|||:|||:: | |:
Db          1 UUAGAUAAAUUACUAU 16


RESULT 235
US-10-238-700-377/c
; Sequence 377, Application US/10238700
; Publication No. US20030153521A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, James
;  TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Leve
;  FILE REFERENCE: 400/057  (MBHB01-1158-A)
;  CURRENT APPLICATION NUMBER: US/10/238,700
;  CURRENT FILING DATE:  2002-09-18
;  PRIOR APPLICATION NUMBER: PCT/US 02/16840
;  PRIOR FILING DATE: 2002-05-29
;  PRIOR APPLICATION NUMBER: US 60/318,471
;  PRIOR FILING DATE: 2001-09-10
;  NUMBER OF SEQ ID NOS: 4666
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 377
;    LENGTH: 17
;    TYPE: RNA
;    ORGANISM: Homo sapiens
US-10-238-700-377

  Query Match             1.0%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 3.7e+02;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        627 CAAATAATTTTTGAAT 642
              |||||||| ||| |||
Db         16 CAAATAATCTTTTAAT 1


RESULT 236
US-10-238-700-583/c
; Sequence 583, Application US/10238700
; Publication No. US20030153521A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, James
;  TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Leve
;  FILE REFERENCE: 400/057  (MBHB01-1158-A)
;  CURRENT APPLICATION NUMBER: US/10/238,700
;  CURRENT FILING DATE:  2002-09-18
;  PRIOR APPLICATION NUMBER: PCT/US 02/16840
;  PRIOR FILING DATE: 2002-05-29
;  PRIOR APPLICATION NUMBER: US 60/318,471
;  PRIOR FILING DATE: 2001-09-10
;  NUMBER OF SEQ ID NOS: 4666
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 583
;    LENGTH: 17
;    TYPE: RNA
;    ORGANISM: Homo sapiens
US-10-238-700-583

  Query Match             1.0%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 3.7e+02;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1392 TTAGAACTATTAAAAC 1407
              ||| || |||||||||
```

```
)b          16 TTACAAGTATTAAAAC 1


!ESULT 237
!S-10-238-700-666/c
  Sequence 666, Application US/10238700
  Publication No. US20030153521A1
  GENERAL INFORMATION:
   APPLICANT: Ribozyme Pharmaceuticals, Inc.
   APPLICANT:  McSwiggen, James
   TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Level
   FILE REFERENCE: 400/057  (MBHB01-1158-A)
   CURRENT APPLICATION NUMBER: US/10/238,700
   CURRENT FILING DATE:  2002-09-18
   PRIOR APPLICATION NUMBER: PCT/US 02/16840
   PRIOR FILING DATE: 2002-05-29
   PRIOR APPLICATION NUMBER: US 60/318,471
   PRIOR FILING DATE: 2001-09-10
   NUMBER OF SEQ ID NOS: 4666
   SOFTWARE: PatentIn version 3.0
  SEQ ID NO 666
    LENGTH: 17
    TYPE: RNA
    ORGANISM: Homo sapiens
!S-10-238-700-666

  Query Match             1.0%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 3.7e+02;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

)y        593 TAAAGTATTATTTATT 608
              ||||||||| || |||
)b         16 TAAAGTATTTTTCATT 1


!ESULT 238
!S-10-238-700-845
  Sequence 845, Application US/10238700
  Publication No. US20030153521A1
  GENERAL INFORMATION:
   APPLICANT: Ribozyme Pharmaceuticals, Inc.
   APPLICANT:  McSwiggen, James
   TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Level
   FILE REFERENCE: 400/057  (MBHB01-1158-A)
   CURRENT APPLICATION NUMBER: US/10/238,700
   CURRENT FILING DATE:  2002-09-18
   PRIOR APPLICATION NUMBER: PCT/US 02/16840
   PRIOR FILING DATE: 2002-05-29
   PRIOR APPLICATION NUMBER: US 60/318,471
   PRIOR FILING DATE: 2001-09-10
   NUMBER OF SEQ ID NOS: 4666
   SOFTWARE: PatentIn version 3.0
  SEQ ID NO 845
    LENGTH: 17
    TYPE: RNA
    ORGANISM: Homo sapiens
!S-10-238-700-845

  Query Match             1.0%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   50.0%;  Pred. No. 3.7e+02;
  Matches    8;  Conservative    6;  Mismatches    2;  Indels    0;  Gaps    0;

)y        540 AACAATGAATAGTTTT 555
              || ||: ||:|::::
)b          1 AAAAAUUAAUAGUUUU 16


!ESULT 239
!S-10-238-700-1166
  Sequence 1166, Application US/10238700
  Publication No. US20030153521A1
  GENERAL INFORMATION:
   APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, James
;  TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Leve
;  FILE REFERENCE: 400/057  (MBHB01-1158-A)
;  CURRENT APPLICATION NUMBER: US/10/238,700
;  CURRENT FILING DATE:  2002-09-18
;  PRIOR APPLICATION NUMBER: PCT/US 02/16840
;  PRIOR FILING DATE: 2002-05-29
;  PRIOR APPLICATION NUMBER: US 60/318,471
;  PRIOR FILING DATE: 2001-09-10
;  NUMBER OF SEQ ID NOS: 4666
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1166
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-10-238-700-1166

  Query Match             1.0%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   62.5%;  Pred. No. 3.7e+02;
  Matches   10;  Conservative    4;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        1604 ATATGAAACATTTAAA 1619
               |:|: |||||:: |||
Db           2 AUAUCAAACAUUAAAA 17


RESULT 240
US-10-238-700-1210
; Sequence 1210, Application US/10238700
; Publication No. US20030153521A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, James
;  TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Level
;  FILE REFERENCE: 400/057  (MBHB01-1158-A)
;  CURRENT APPLICATION NUMBER: US/10/238,700
;  CURRENT FILING DATE:  2002-09-18
;  PRIOR APPLICATION NUMBER: PCT/US 02/16840
;  PRIOR FILING DATE: 2002-05-29
;  PRIOR APPLICATION NUMBER: US 60/318,471
;  PRIOR FILING DATE: 2001-09-10
;  NUMBER OF SEQ ID NOS: 4666
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1210
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-10-238-700-1210

  Query Match             1.0%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   43.8%;  Pred. No. 3.7e+02;
  Matches    7;  Conservative    7;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        1051 TGTATTTATTTAAGCA 1066
               :|:|:::|:: | |||
Db           2 UGUAUUUAUUCAUGCA 17


RESULT 241
US-10-238-700-1261/c
; Sequence 1261, Application US/10238700
; Publication No. US20030153521A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, James
;  TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Level
;  FILE REFERENCE: 400/057  (MBHB01-1158-A)
;  CURRENT APPLICATION NUMBER: US/10/238,700
;  CURRENT FILING DATE:  2002-09-18
;  PRIOR APPLICATION NUMBER: PCT/US 02/16840
;  PRIOR FILING DATE: 2002-05-29
;  PRIOR APPLICATION NUMBER: US 60/318,471
;  PRIOR FILING DATE: 2001-09-10
```

```
;  NUMBER OF SEQ ID NOS: 4666
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1261
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
JS-10-238-700-1261

  Query Match             1.0%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 3.7e+02;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        796 TTTTGCCATAAAGTCA 811
              ||||| ||||||| ||
Db         17 TTTTGTCATAAAGGCA 2


RESULT 242
JS-10-238-700-1267
; Sequence 1267, Application US/10238700
; Publication No. US20030153521A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, James
;  TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Level
;  FILE REFERENCE: 400/057  (MBHB01-1158-A)
;  CURRENT APPLICATION NUMBER: US/10/238,700
;  CURRENT FILING DATE:  2002-09-18
;  PRIOR APPLICATION NUMBER: PCT/US 02/16840
;  PRIOR FILING DATE: 2002-05-29
;  PRIOR APPLICATION NUMBER: US 60/318,471
;  PRIOR FILING DATE: 2001-09-10
;  NUMBER OF SEQ ID NOS: 4666
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1267
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-10-238-700-1267

  Query Match             1.0%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   43.8%;  Pred. No. 3.7e+02;
  Matches    7;  Conservative    7;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1002 ATAACATAAATTATTT 1017
              |:|||| | ::|:::
Db          1 AUAACAUUAUUUAUUU 16


RESULT 243
US-10-238-700-1315
; Sequence 1315, Application US/10238700
; Publication No. US20030153521A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, James
;  TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Level
;  FILE REFERENCE: 400/057  (MBHB01-1158-A)
;  CURRENT APPLICATION NUMBER: US/10/238,700
;  CURRENT FILING DATE:  2002-09-18
;  PRIOR APPLICATION NUMBER: PCT/US 02/16840
;  PRIOR FILING DATE: 2002-05-29
;  PRIOR APPLICATION NUMBER: US 60/318,471
;  PRIOR FILING DATE: 2001-09-10
;  NUMBER OF SEQ ID NOS: 4666
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1315
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-10-238-700-1315

  Query Match             1.0%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   25.0%;  Pred. No. 3.7e+02;
  Matches    4;  Conservative   10;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        598 TATTATTTATTTGAAT 613
              :|::|:::|:::  |:
Db          1 UAUUAUUUAUUUCUAU 16


RESULT 244
US-10-238-700-3054
; Sequence 3054, Application US/10238700
; Publication No. US20030153521A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, James
;  TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Leve
;  FILE REFERENCE: 400/057  (MBHB01-1158-A)
;  CURRENT APPLICATION NUMBER: US/10/238,700
;  CURRENT FILING DATE:  2002-09-18
;  PRIOR APPLICATION NUMBER: PCT/US 02/16840
;  PRIOR FILING DATE: 2002-05-29
;  PRIOR APPLICATION NUMBER: US 60/318,471
;  PRIOR FILING DATE: 2001-09-10
;  NUMBER OF SEQ ID NOS: 4666
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3054
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-10-238-700-3054

  Query Match             1.0%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   62.5%;  Pred. No. 3.7e+02;
  Matches   10;  Conservative    4;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        818 GCTGGAAATCCTGGAT 833
              | :||| |:||:|||:
Db          2 GUUGGACAUCCUGGAU 17


RESULT 245
US-10-061-201-862/c
; Sequence 862, Application US/10061201
; Publication No. US20030166229A1
; GENERAL INFORMATION:
;  APPLICANT: Shannon, Mark
;  TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
;  FILE REFERENCE: PB0178
;  CURRENT APPLICATION NUMBER: US/10/061,201
;  CURRENT FILING DATE:  2002-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00670
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 09/864,761
;  PRIOR FILING DATE: 2001-05-23
;  PRIOR APPLICATION NUMBER: US 60/328,205
;  PRIOR FILING DATE: 2001-10-10
;  NUMBER OF SEQ ID NOS: 4162
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 862
```

LENGTH: 17
TYPE: DNA
ORGANISM: Homo sapiens
3-10-061-201-862

Query Match 1.0%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 3.7e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1335 CAGTCTTGTCATTGCC 1350
|| ||||||| |||||
Db 17 CACTCTTGTCCTTGCC 2

ESULT 246
3-10-061-201-863/c
Sequence 863, Application US/10061201
Publication No. US20030166229A1
GENERAL INFORMATION:
APPLICANT: Shannon, Mark
TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
FILE REFERENCE: PB0178
CURRENT APPLICATION NUMBER: US/10/061,201
CURRENT FILING DATE: 2002-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00670
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: US 09/864,761
PRIOR FILING DATE: 2001-05-23
PRIOR APPLICATION NUMBER: US 60/328,205
PRIOR FILING DATE: 2001-10-10
NUMBER OF SEQ ID NOS: 4162
SOFTWARE: Aeomica Sequence Listing Engine
SEQ ID NO 863
LENGTH: 17
TYPE: DNA
ORGANISM: Homo sapiens
S-10-061-201-863

Query Match 1.0%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 3.7e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1335 CAGTCTTGTCATTGCC 1350
|| ||||||| |||||
Db 16 CACTCTTGTCCTTGCC 1

ESULT 247
S-10-339-782-311
Sequence 311, Application US/10339782
Publication No. US20030166026A1
GENERAL INFORMATION:
APPLICANT: Lynx Therapeutics, Inc.
APPLICANT: Goodman, Laurie J
APPLICANT: Bowen, Benjamin A
TITLE OF INVENTION: Identification of Specific Biomarkers for Breast Cancer Cells
FILE REFERENCE: 37-000110US
CURRENT APPLICATION NUMBER: US/10/339,782
CURRENT FILING DATE: 2003-01-08
; NUMBER OF SEQ ID NOS: 495
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 311
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-339-782-311

Query Match 1.0%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 3.7e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 769 ATCACATAAAAATGAT 784
|||||||||||| |||
Db 2 ATCACATAAAACAGAT 17

RESULT 248
US-09-817-879-1258/c
; Sequence 1258, Application US/09817879
; Publication No. US20030171311A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
; TITLE OF INVENTION: Hepatitis C Virus Infection
; FILE REFERENCE: MBHB00-801-F
; CURRENT APPLICATION NUMBER: US/09/817,879
; CURRENT FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 9703
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1258
; LENGTH: 17
; TYPE: RNA
; ORGANISM: artificial sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
US-09-817-879-1258

Query Match 1.0%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 3.7e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 893 CACTGTGCCTTGGTTT 908
|||||||| |||||| |
Db 17 CACTGTGGCTTGGTAT 2

RESULT 249
US-09-817-879-3297
; Sequence 3297, Application US/09817879
; Publication No. US20030171311A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
; TITLE OF INVENTION: Hepatitis C Virus Infection
; FILE REFERENCE: MBHB00-801-F
; CURRENT APPLICATION NUMBER: US/09/817,879
; CURRENT FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 9703
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3297
; LENGTH: 17
; TYPE: RNA
; ORGANISM: artificial sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
US-09-817-879-3297

Query Match 1.0%; Score 12.8; DB 1; Length 17;

```
  Best Local Similarity   50.0%;  Pred. No. 3.7e+02;
  Matches    8;  Conservative    6;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        893 CACTGTGCCTTGGTTT 908
              ||||:|:| |::||: :
Db          2 CACUGUGGCUUGGUAU 17


RESULT 250
US-10-339-793-192/c
; Sequence 192, Application US/10339793
; Publication No. US20030180764A1
; GENERAL INFORMATION:
;  APPLICANT: Lynx Therapeutics, Inc.
;  APPLICANT:  Shang, Jin
;  APPLICANT:  Bowen, Benjamin
;  TITLE OF INVENTION: GENES AFFECTED BY CHOLESTEROL TREATMENT AND DURING ADIPOGENESIS
;  FILE REFERENCE: 37-000310US
;  CURRENT APPLICATION NUMBER: US/10/339,793
;  CURRENT FILING DATE:  2003-01-08
;  NUMBER OF SEQ ID NOS: 443
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 192
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-339-793-192

  Query Match             1.0%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 3.7e+02;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        438 AAACTTCAAGCAAATC 453
              ||||| |||||| |||
Db         16 AAACTCCAAGCAGATC 1


RESULT 251
US-10-338-777-275
; Sequence 275, Application US/10338777
; Publication No. US20030188343A1
; GENERAL INFORMATION:
;  APPLICANT: Lynx Therapeutics, Inc.
;  APPLICANT:  United States Department of Agriculture
;  APPLICANT:  Bowen, Benjamin A
;  APPLICANT:  Haudenschild, Christian D
;  APPLICANT:  Buckler, Edward S
;  TITLE OF INVENTION: Identification of Genes Associated with Growth in Plants
;  FILE REFERENCE: 37-000510US
;  CURRENT APPLICATION NUMBER: US/10/338,777
;  CURRENT FILING DATE:  2003-01-07
;  NUMBER OF SEQ ID NOS: 405
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 275
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Arabidopsis thaliana
US-10-338-777-275

  Query Match             1.0%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 3.7e+02;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        874 GATCCACAAGTCCTTG 889
              |||||| |||| ||||
Db          1 GATCCAGAAGTTCTTG 16


RESULT 252
US-10-209-787-759/c
; Sequence 759, Application US/10209787
; Publication No. US20030217377A1
; GENERAL INFORMATION:
;  APPLICANT: Kmiec, Eric B.
;  APPLICANT:  Gamper, Howard B.
;  APPLICANT:  Rice, Michael C.
;  TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
;  TITLE OF INVENTION:  Stranded Oligonucleotides
;  FILE REFERENCE: Napro-4
;  CURRENT APPLICATION NUMBER: US/10/209,787
;  CURRENT FILING DATE:  2002-07-30
;  PRIOR APPLICATION NUMBER: US 09/818,875
;  PRIOR FILING DATE: 2001-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,176
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,179
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/208,538
;  PRIOR FILING DATE: 2000-06-01
;  PRIOR APPLICATION NUMBER: US 60/244,989
;  PRIOR FILING DATE: 2000-10-30
;  NUMBER OF SEQ ID NOS: 4385
;  SOFTWARE: Friedman macro Napro4
; SEQ ID NO 759
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-209-787-759

  Query Match             1.0%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 3.7e+02;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        524 AATTTGAATTTCAGTA 539
              |||||| | |||||||
Db         16 AATTTGCAATTCAGTA 1


RESULT 253
US-10-209-787-760
; Sequence 760, Application US/10209787
; Publication No. US20030217377A1
; GENERAL INFORMATION:
;  APPLICANT: Kmiec, Eric B.
;  APPLICANT:  Gamper, Howard B.
;  APPLICANT:  Rice, Michael C.
;  TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
;  TITLE OF INVENTION:  Stranded Oligonucleotides
;  FILE REFERENCE: Napro-4
;  CURRENT APPLICATION NUMBER: US/10/209,787
;  CURRENT FILING DATE:  2002-07-30
;  PRIOR APPLICATION NUMBER: US 09/818,875
;  PRIOR FILING DATE: 2001-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,176
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,179
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/208,538
;  PRIOR FILING DATE: 2000-06-01
;  PRIOR APPLICATION NUMBER: US 60/244,989
;  PRIOR FILING DATE: 2000-10-30
;  NUMBER OF SEQ ID NOS: 4385
;  SOFTWARE: Friedman macro Napro4
; SEQ ID NO 760
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-209-787-760

  Query Match             1.0%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 3.7e+02;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        524 AATTTGAATTTCAGTA 539
              |||||| | |||||||
Db          2 AATTTGCAATTCAGTA 17
```

```
ESULT 254
S-10-209-787-1459/c
 Sequence 1459, Application US/10209787
 Publication No. US20030217377A1
 GENERAL INFORMATION:
  APPLICANT: Kmiec, Eric B.
  APPLICANT:  Gamper, Howard B.
  APPLICANT:  Rice, Michael C.
  TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
  TITLE OF INVENTION:  Stranded Oligonucleotides
  FILE REFERENCE: Napro-4
  CURRENT APPLICATION NUMBER: US/10/209,787
  CURRENT FILING DATE:  2002-07-30
  PRIOR APPLICATION NUMBER: US 09/818,875
  PRIOR FILING DATE: 2001-03-27
  PRIOR APPLICATION NUMBER: US 60/192,176
  PRIOR FILING DATE: 2000-03-27
  PRIOR APPLICATION NUMBER: US 60/192,179
  PRIOR FILING DATE: 2000-03-27
  PRIOR APPLICATION NUMBER: US 60/208,538
  PRIOR FILING DATE: 2000-06-01
  PRIOR APPLICATION NUMBER: US 60/244,989
  PRIOR FILING DATE: 2000-10-30
  NUMBER OF SEQ ID NOS: 4385
  SOFTWARE: Friedman macro Napro4
 SEQ ID NO 1459
   LENGTH: 17
   TYPE: DNA
   ORGANISM: Homo sapiens
S-10-209-787-1459

 Query Match             1.0%;  Score 12.8;  DB 1;  Length 17;
 Best Local Similarity   87.5%;  Pred. No. 3.7e+02;
 Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

y       1577 TCTGATTGTATGGAAA 1592
             |||| ||||| |||||
b         16 TCTGTTTGTAAGGAAA 1

ESULT 255
S-10-209-787-1460
 Sequence 1460, Application US/10209787
 Publication No. US20030217377A1
 GENERAL INFORMATION:
  APPLICANT: Kmiec, Eric B.
  APPLICANT:  Gamper, Howard B.
  APPLICANT:  Rice, Michael C.
  TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
  TITLE OF INVENTION:  Stranded Oligonucleotides
  FILE REFERENCE: Napro-4
  CURRENT APPLICATION NUMBER: US/10/209,787
  CURRENT FILING DATE:  2002-07-30
  PRIOR APPLICATION NUMBER: US 09/818,875
  PRIOR FILING DATE: 2001-03-27
  PRIOR APPLICATION NUMBER: US 60/192,176
  PRIOR FILING DATE: 2000-03-27
  PRIOR APPLICATION NUMBER: US 60/192,179
  PRIOR FILING DATE: 2000-03-27
  PRIOR APPLICATION NUMBER: US 60/208,538
  PRIOR FILING DATE: 2000-06-01
  PRIOR APPLICATION NUMBER: US 60/244,989
  PRIOR FILING DATE: 2000-10-30
  NUMBER OF SEQ ID NOS: 4385
  SOFTWARE: Friedman macro Napro4
 SEQ ID NO 1460
   LENGTH: 17
   TYPE: DNA
   ORGANISM: Homo sapiens
S-10-209-787-1460

  Query Match             1.0%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 3.7e+02;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1577 TCTGATTGTATGGAAA 1592
              |||| ||||| |||||
Db          2 TCTGTTTGTAAGGAAA 17

RESULT 256
US-10-060-756A-1929/c
; Sequence 1929, Application US/10060756A
; Publication No. US20030046717A1
; GENERAL INFORMATION:
;  APPLICANT: Zhang, Jian
;  TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN
;  FILE REFERENCE: PB0177
;  CURRENT APPLICATION NUMBER: US/10/060,756A
;  CURRENT FILING DATE:  2002-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 09/864,761
;  PRIOR FILING DATE: 2001-05-23
;  PRIOR APPLICATION NUMBER: US 60/327,898
;  PRIOR FILING DATE: 2001-10-09
;  NUMBER OF SEQ ID NOS: 4804
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 1929
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-060-756A-1929

  Query Match             1.0%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 3.7e+02;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1457 GTTTATTATGTACAAA 1472
              | |||| |||||||||
Db         17 GCTTATGATGTACAAA 2

RESULT 257
US-10-060-756A-1931/c
; Sequence 1931, Application US/10060756A
; Publication No. US20030046717A1
; GENERAL INFORMATION:
;  APPLICANT: Zhang, Jian
;  TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN
;  FILE REFERENCE: PB0177
;  CURRENT APPLICATION NUMBER: US/10/060,756A
;  CURRENT FILING DATE:  2002-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
```

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  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: US 09/864,761
  PRIOR FILING DATE: 2001-05-23
  PRIOR APPLICATION NUMBER: US 60/327,898
  PRIOR FILING DATE: 2001-10-09
  NUMBER OF SEQ ID NOS: 4804
  SOFTWARE: Aeomica Sequence Listing Engine
 SEQ ID NO 1931
   LENGTH: 17
   TYPE: DNA
   ORGANISM: Homo sapiens
S-10-060-756A-1931

 Query Match             1.0%;  Score 12.8;  DB 1;  Length 17;
 Best Local Similarity   87.5%;  Pred. No. 3.7e+02;
 Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

y       1456 TGTTTATTATGTACAA 1471
             || |||| ||||||||
b         16 TGCTTATGATGTACAA 1


ESULT 258
S-10-060-756A-4322
 Sequence 4322, Application US/10060756A
 Publication No. US20030046717A1
 GENERAL INFORMATION:
  APPLICANT: Zhang, Jian
  TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN
  FILE REFERENCE: PB0177
  CURRENT APPLICATION NUMBER: US/10/060,756A
  CURRENT FILING DATE:  2002-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00667
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00664
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00669
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00665
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00668
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00663
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: US 09/864,761
  PRIOR FILING DATE: 2001-05-23
  PRIOR APPLICATION NUMBER: US 60/327,898
  PRIOR FILING DATE: 2001-10-09
  NUMBER OF SEQ ID NOS: 4804
  SOFTWARE: Aeomica Sequence Listing Engine
 SEQ ID NO 4322
   LENGTH: 17
   TYPE: DNA
   ORGANISM: Homo sapiens
IS-10-060-756A-4322

 Query Match             1.0%;  Score 12.8;  DB 1;  Length 17;
 Best Local Similarity   87.5%;  Pred. No. 3.7e+02;
 Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        603 TTTATTTGAATCTACA 618
              |||||||||||| | ||
Db          2 TTTATTTGAATATCCA 17


ESULT 259
IS-10-060-756A-4323
 Sequence 4323, Application US/10060756A
 Publication No. US20030046717A1
 GENERAL INFORMATION:
  APPLICANT: Zhang, Jian
  TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN
  FILE REFERENCE: PB0177
; CURRENT APPLICATION NUMBER: US/10/060,756A
; CURRENT FILING DATE:  2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/327,898
; PRIOR FILING DATE: 2001-10-09
; NUMBER OF SEQ ID NOS: 4804
; SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 4323
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-060-756A-4323

  Query Match             1.0%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 3.7e+02;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        603 TTTATTTGAATCTACA 618
              |||||||||||| | ||
Db          1 TTTATTTGAATATCCA 16


RESULT 260
US-10-287-919-616/c
; Sequence 616, Application US/10287919
; Publication No. US20030085830A1
; GENERAL INFORMATION:
;  APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
;  TITLE OF INVENTION: Methanococcus jannaschii complete genome.
;  FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
;  CURRENT APPLICATION NUMBER: US/10/287,919
;  CURRENT FILING DATE:  2002-11-05
;  NUMBER OF SEQ ID NOS: 2706
;  SOFTWARE: Proprietary
; SEQ ID NO 616
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Methanococcus jannaschii complete genome.
;   FEATURE:
;   LOCATION: (201056)...(201071)
;   OTHER INFORMATION: Chromosome = 1  Strand = positive  ConnectronObjectNumber =   74
US-10-287-919-616

  Query Match             1.0%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 3.7e+02;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1523 TATATTTTTAACTTTA 1538
              |||||||||| ||| |
Db         17 TATATTTTTAGCTTCA 2


RESULT 261
US-10-287-919-2640/c
; Sequence 2640, Application US/10287919
; Publication No. US20030085830A1
; GENERAL INFORMATION:
;  APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
;  TITLE OF INVENTION: Methanococcus jannaschii complete genome.
;  FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
```

CURRENT APPLICATION NUMBER: US/10/287,919
CURRENT FILING DATE: 2002-11-05
NUMBER OF SEQ ID NOS: 2706
SOFTWARE: Proprietary
SEQ ID NO 2640
LENGTH: 17
TYPE: DNA
ORGANISM: Methanococcus jannaschii complete genome.
FEATURE:
LOCATION: (1605596)...(1605613)
OTHER INFORMATION: Chromosome = 1 Strand = negative ConnectronObjectNumber = 3366
S-10-287-919-2640

Query Match 1.0%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 3.7e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

y 1523 TATATTTTTAACTTTA 1538
||||||||||| ||| |
b 17 TATATTTTTAGCTTCA 2

ESULT 262
S-10-156-306-459
Sequence 459, Application US/10156306
Publication No. US20030119017A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, James
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
TITLE OF INVENTION: Levels of IKK-Gamma and PKR
FILE REFERENCE: MBHB01-664-A (400/050)
CURRENT APPLICATION NUMBER: US/10/156,306
CURRENT FILING DATE: 2002-05-28
NUMBER OF SEQ ID NOS: 8013
SOFTWARE: PatentIn version 3.0
SEQ ID NO 459
LENGTH: 17
TYPE: RNA
ORGANISM: Homo sapiens
S-10-156-306-459

Query Match 1.0%; Score 12.8; DB 1; Length 17;
Best Local Similarity 18.8%; Pred. No. 3.7e+02;
Matches 3; Conservative 11; Mismatches 2; Indels 0; Gaps 0;

y 1563 TTTTTTTTACTGTTTC 1578
::: :::: : ::: |
b 2 UUUAUUUUAAUGUUUC 17

ESULT 263
S-10-156-306-460
Sequence 460, Application US/10156306
Publication No. US20030119017A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, James
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
TITLE OF INVENTION: Levels of IKK-Gamma and PKR
FILE REFERENCE: MBHB01-664-A (400/050)
CURRENT APPLICATION NUMBER: US/10/156,306
CURRENT FILING DATE: 2002-05-28
NUMBER OF SEQ ID NOS: 8013
SOFTWARE: PatentIn version 3.0
SEQ ID NO 460
LENGTH: 17
TYPE: RNA
ORGANISM: Homo sapiens
S-10-156-306-460

Query Match 1.0%; Score 12.8; DB 1; Length 17;
Best Local Similarity 18.8%; Pred. No. 3.7e+02;
Matches 3; Conservative 11; Mismatches 2; Indels 0; Gaps 0;

Qy 1563 TTTTTTTTACTGTTTC 1578
::: :::: : ::: |
Db 1 UUUAUUUUAAUGUUUC 16

RESULT 264
US-10-156-306-1283/c
; Sequence 1283, Application US/10156306
; Publication No. US20030119017A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relat
; TITLE OF INVENTION: Levels of IKK-Gamma and PKR
; FILE REFERENCE: MBHB01-664-A (400/050)
; CURRENT APPLICATION NUMBER: US/10/156,306
; CURRENT FILING DATE: 2002-05-28
; NUMBER OF SEQ ID NOS: 8013
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1283
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-156-306-1283

Query Match 1.0%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 3.7e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1535 TTTAAGATGTTTTTAT 1550
|||| ||||||| |||
Db 16 TTTAGGATGTTTCTAT 1

RESULT 265
US-10-156-306-2702/c
; Sequence 2702, Application US/10156306
; Publication No. US20030119017A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
; TITLE OF INVENTION: Levels of IKK-Gamma and PKR
; FILE REFERENCE: MBHB01-664-A (400/050)
; CURRENT APPLICATION NUMBER: US/10/156,306
; CURRENT FILING DATE: 2002-05-28
; NUMBER OF SEQ ID NOS: 8013
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2702
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-156-306-2702

Query Match 1.0%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 3.7e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1536 TTAAGATGTTTTTATG 1551
||| ||||||| ||||
Db 17 TTAGGATGTTTCTATG 2

RESULT 266
US-10-260-451-2
; Sequence 2, Application US/10260451
; Publication No. US20030124096A1
; GENERAL INFORMATION:
; APPLICANT: LOCARNINI, STEPHEN A
; APPLICANT: BARTHOLOMEUSZ, ANGELINE I
; APPLICANT: AYE, THEIN T

```
;  APPLICANT:  DEMAN, ROBERT A
;  TITLE OF INVENTION: VIRAL VARIANTS AND METHODS FOR DETECTING SAME
;  FILE REFERENCE: 2551-28
;  CURRENT APPLICATION NUMBER: US/10/260,451
;  CURRENT FILING DATE:  2002-10-01
;  PRIOR APPLICATION NUMBER: US/09/306,420
;  PRIOR FILING DATE: 1999-05-06
;  PRIOR APPLICATION NUMBER: PCT/AU97/00520
;  PRIOR FILING DATE: 1997-08-15
;  PRIOR APPLICATION NUMBER: PO3519
;  PRIOR FILING DATE: 1996-11-08
;  NUMBER OF SEQ ID NOS: 57
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Hepatitis B virus
JS-10-260-451-2

  Query Match             1.0%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 3.7e+02;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1556 CTCCAAATTTTTTTA 1571
              ||||||||| ||| ||
Db          2 CTCCAAATTCTTTATA 17


RESULT 267
JS-10-260-451-4
; Sequence 4, Application US/10260451
; Publication No. US20030124096A1
; GENERAL INFORMATION:
;  APPLICANT: LOCARNINI, STEPHEN A
;  APPLICANT:  BARTHOLOMEUSZ, ANGELINE I
;  APPLICANT:  AYE, THEIN T
;  APPLICANT:  DEMAN, ROBERT A
;  TITLE OF INVENTION: VIRAL VARIANTS AND METHODS FOR DETECTING SAME
;  FILE REFERENCE: 2551-28
;  CURRENT APPLICATION NUMBER: US/10/260,451
;  CURRENT FILING DATE:  2002-10-01
;  PRIOR APPLICATION NUMBER: US/09/306,420
;  PRIOR FILING DATE: 1999-05-06
;  PRIOR APPLICATION NUMBER: PCT/AU97/00520
;  PRIOR FILING DATE: 1997-08-15
;  PRIOR APPLICATION NUMBER: PO3519
;  PRIOR FILING DATE: 1996-11-08
;  NUMBER OF SEQ ID NOS: 57
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Hepatitis B virus
JS-10-260-451-4

  Query Match             1.0%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 3.7e+02;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1556 CTCCAAATTTTTTTA 1571
              ||||||||| ||| ||
Db          2 CTCCAAATTCTTTATA 17


RESULT 268
JS-09-969-373-2022
; Sequence 2022, Application US/09969373
; Patent No. US20020133852A1
; GENERAL INFORMATION:
;  APPLICANT: Effertz, Roger J.
;  APPLICANT:  Hauge, Brian M.
;  TITLE OF INVENTION: Soybean SSRs and Methods of Genotyping
;  FILE REFERENCE: 38-10(52679)A
;  CURRENT APPLICATION NUMBER: US/09/969,373
;  CURRENT FILING DATE:  2001-10-02
;  PRIOR APPLICATION NUMBER: US 09/754,853
;  PRIOR FILING DATE: 2001-01-05
;  PRIOR APPLICATION NUMBER: US 09/760,427
;  PRIOR FILING DATE: 2001-01-13
;  PRIOR APPLICATION NUMBER: US 09/855,768
;  PRIOR FILING DATE: 2001-05-15
;  NUMBER OF SEQ ID NOS: 4593
; SEQ ID NO 2022
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Glycine max
US-09-969-373-2022

  Query Match             1.0%;  Score 12.8;  DB 1;  Length 18;
  Best Local Similarity   87.5%;  Pred. No. 3.8e+02;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        760 ATTTGAAGCATCACAT 775
              | ||||||| |||||
Db          2 AATTGAAGCACCACAT 17


RESULT 269
US-09-969-373-3651/c
; Sequence 3651, Application US/09969373
; Patent No. US20020133852A1
; GENERAL INFORMATION:
;  APPLICANT: Effertz, Roger J.
;  APPLICANT:  Hauge, Brian M.
;  TITLE OF INVENTION: Soybean SSRs and Methods of Genotyping
;  FILE REFERENCE: 38-10(52679)A
;  CURRENT APPLICATION NUMBER: US/09/969,373
;  CURRENT FILING DATE:  2001-10-02
;  PRIOR APPLICATION NUMBER: US 09/754,853
;  PRIOR FILING DATE: 2001-01-05
;  PRIOR APPLICATION NUMBER: US 09/760,427
;  PRIOR FILING DATE: 2001-01-13
;  PRIOR APPLICATION NUMBER: US 09/855,768
;  PRIOR FILING DATE: 2001-05-15
;  NUMBER OF SEQ ID NOS: 4593
; SEQ ID NO 3651
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Glycine max
US-09-969-373-3651

  Query Match             1.0%;  Score 12.8;  DB 1;  Length 18;
  Best Local Similarity   87.5%;  Pred. No. 3.8e+02;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        896 TGTGCCTTGGTTTCTC 911
              ||||| |||| |||||
Db         16 TGTGCTTTGGCTTCTC 1


RESULT 270
US-09-969-373-4320
; Sequence 4320, Application US/09969373
; Patent No. US20020133852A1
; GENERAL INFORMATION:
;  APPLICANT: Effertz, Roger J.
;  APPLICANT:  Hauge, Brian M.
;  TITLE OF INVENTION: Soybean SSRs and Methods of Genotyping
;  FILE REFERENCE: 38-10(52679)A
;  CURRENT APPLICATION NUMBER: US/09/969,373
;  CURRENT FILING DATE:  2001-10-02
;  PRIOR APPLICATION NUMBER: US 09/754,853
;  PRIOR FILING DATE: 2001-01-05
;  PRIOR APPLICATION NUMBER: US 09/760,427
;  PRIOR FILING DATE: 2001-01-13
;  PRIOR APPLICATION NUMBER: US 09/855,768
```

```
  PRIOR FILING DATE: 2001-05-15
  NUMBER OF SEQ ID NOS: 4593
 SEQ ID NO 4320
   LENGTH: 18
   TYPE: DNA
   ORGANISM: Glycine max
}-09-969-373-4320

 Query Match             1.0%;  Score 12.8;  DB 1;  Length 18;
 Best Local Similarity   87.5%;  Pred. No. 3.8e+02;
 Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

r        894 ACTGTGCCTTGGTTTC 909
             | ||||| ||||||||
)          1 AATGTGCATTGGTTTC 16


ESULT 271
}-10-388-263-156/c
 Sequence 156, Application US/10388263
 Publication No. US20030228597A1
 GENERAL INFORMATION:
  APPLICANT: Cowsert, Lex M.
  APPLICANT:  Baker, Brenda F.
  APPLICANT:  McNeil, John
  APPLICANT:  Freier, Susan M.
  APPLICANT:  Sasmor, Henri M.
  APPLICANT:  Brooks, Douglas G.
  APPLICANT:  Ohashi, Cara
  APPLICANT:  Wyatt, Jacqueline R.
  APPLICANT:  Borchers, Alexander
  APPLICANT:  Vickers, Timothy A.
  TITLE OF INVENTION: IDENTIFICATION OF GENETIC TARGETS FOR
  TITLE OF INVENTION:  MODULATION BY OLIGONUCLEOTIDES AND
  TITLE OF INVENTION:  GENERATION OF OLIGONUCLEOTIDES FOR GENE MODULATION
  FILE REFERENCE: ISIS-4503
  CURRENT APPLICATION NUMBER: US/10/388,263
  CURRENT FILING DATE:  2003-03-12
  NUMBER OF SEQ ID NOS: 947
  SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO 156
   LENGTH: 18
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Antisense Oligonucleotide
}-10-388-263-156

 Query Match             1.0%;  Score 12.8;  DB 1;  Length 18;
 Best Local Similarity   87.5%;  Pred. No. 3.8e+02;
 Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

r        827 CCTGGATTTTTTTCTG 842
             |||||| || |||||||
)         18 CCTGGAGTTGTTTCTG 3


ESULT 272
}-10-301-661A-35
 Sequence 35, Application US/10301661A
 Publication No. US20030157660A1
 GENERAL INFORMATION:
  APPLICANT: INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE-
  APPLICANT:  INSERM
  APPLICANT:  ASSISTANCE PUBLIQUE-HOPITAUX DE PARIS
  APPLICANT:  INSTITUT PASTEUR
  APPLICANT:  MAUCLERE, Philippe
  APPLICANT:  LOUSSERT-AJAKA, Ibtissam
  APPLICANT:  SIMON, Francois
  APPLICANT:  SARAGOSTI, Sentob
  APPLICANT:  BARRE-SINOUSSI, Francoise
  TITLE OF INVENTION: NON-M NON-O HIV STRAINS, FRAGMENTS AND APPLICATIONS.
  FILE REFERENCE: 598US12
;  CURRENT APPLICATION NUMBER: US/10/301,661A
;  CURRENT FILING DATE:  2002-11-22
;  PRIOR APPLICATION NUMBER: US/09/319,588C
;  PRIOR FILING DATE: 1999-08-27
;  PRIOR APPLICATION NUMBER: FR96/15087
;  PRIOR FILING DATE: 1996-12-09
;  NUMBER OF SEQ ID NOS: 98
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 35
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: artificial sequence
;   FEATURE:
;   OTHER INFORMATION: primer
US-10-301-661A-35

  Query Match             1.0%;  Score 12.8;  DB 1;  Length 18;
  Best Local Similarity   87.5%;  Pred. No. 3.8e+02;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy         410 TATCCAAGAATCAGTG 425
               |||||| ||||||| |
Db           3 TATCCAGGAATCAGAG 18


RESULT 273
US-10-301-661A-91
; Sequence 91, Application US/10301661A
; Publication No. US20030157660A1
; GENERAL INFORMATION:
;  APPLICANT: INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE-
;  APPLICANT:  INSERM
;  APPLICANT:  ASSISTANCE PUBLIQUE-HOPITAUX DE PARIS
;  APPLICANT:  INSTITUT PASTEUR
;  APPLICANT:  MAUCLERE, Philippe
;  APPLICANT:  LOUSSERT-AJAKA, Ibtissam
;  APPLICANT:  SIMON, Francois
;  APPLICANT:  SARAGOSTI, Sentob
;  APPLICANT:  BARRE-SINOUSSI, Francoise
;  TITLE OF INVENTION: NON-M NON-O HIV STRAINS, FRAGMENTS AND APPLICATIONS.
;  FILE REFERENCE: 598US12
;  CURRENT APPLICATION NUMBER: US/10/301,661A
;  CURRENT FILING DATE:  2002-11-22
;  PRIOR APPLICATION NUMBER: US/09/319,588C
;  PRIOR FILING DATE: 1999-08-27
;  PRIOR APPLICATION NUMBER: FR96/15087
;  PRIOR FILING DATE: 1996-12-09
;  NUMBER OF SEQ ID NOS: 98
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 91
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: artificial sequence
;   FEATURE:
;   OTHER INFORMATION: primer
US-10-301-661A-91

  Query Match             1.0%;  Score 12.8;  DB 1;  Length 18;
  Best Local Similarity   87.5%;  Pred. No. 3.8e+02;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy         410 TATCCAAGAATCAGTG 425
               |||||| ||||||| |
Db           3 TATCCAGGAATCAGAG 18


RESULT 274
US-10-326-587-9
; Sequence 9, Application US/10326587
; Publication No. US20030170693A1
; GENERAL INFORMATION:
;  APPLICANT: Chaconas, George
;  APPLICANT:  Kobryn, Kerri
```

APPLICANT: Tourand, Yvonne M.
TITLE OF INVENTION: Assay for Identifying Modulators of Borrelia Telomere Resolvase
FILE REFERENCE: 9611-33
CURRENT APPLICATION NUMBER: US/10/326,587
CURRENT FILING DATE: 2002-12-20
NUMBER OF SEQ ID NOS: 33
SOFTWARE: PatentIn version 3.1
SEQ ID NO 9
LENGTH: 18
TYPE: DNA
ORGANISM: Borrelia burgdorferi
S-10-326-587-9

Query Match 1.0%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 3.8e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

y 1259 AAATAATTTTTTAGTA 1274
| |||||||||||| ||
b 1 ATATAATTTTTTATTA 16

ESULT 275
S-10-178-325-149/c
Sequence 149, Application US/10178325
Publication No. US20030199467A1
GENERAL INFORMATION:
APPLICANT: Roberts, M. Luisa
APPLICANT: Cowsert, Lex M.
TITLE OF INVENTION: Antisense Modulation of Human Rho Family Gene
TITLE OF INVENTION: Expression
FILE REFERENCE: ISPH-0404
CURRENT APPLICATION NUMBER: US/10/178,325
CURRENT FILING DATE: 2002-06-21
PRIOR APPLICATION NUMBER: US/09/387,341
PRIOR FILING DATE: 1999-08-31
PRIOR APPLICATION NUMBER: 09/156,424
PRIOR FILING DATE: 1998-09-18
PRIOR APPLICATION NUMBER: 09/156,979
PRIOR FILING DATE: 1998-09-18
PRIOR APPLICATION NUMBER: 09/156,807
PRIOR FILING DATE: 1998-09-18
PRIOR APPLICATION NUMBER: 09/161,015
PRIOR FILING DATE: 1998-09-25
NUMBER OF SEQ ID NOS: 233
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 149
LENGTH: 18
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence:Synthetic
JS-10-178-325-149

Query Match 1.0%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 3.8e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 827 CCTGGATTTTTTTCTG 842
|||||| || ||||||
Db 18 CCTGGAGTTGTTTCTG 3

RESULT 276
US-10-299-881-22/c
; Sequence 22, Application US/10299881
; Publication No. US20030100531A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Lex M. Cowsert
; TITLE OF INVENTION: ANTISENSE MODULATION OF Interleukin-15 EXPRESSION
; FILE REFERENCE: RTSP-0119
; CURRENT APPLICATION NUMBER: US/10/299,881
; CURRENT FILING DATE: 2001-11-19
; PRIOR APPLICATION NUMBER: US/09/856,748
; PRIOR FILING DATE: 2001-05-24
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 22
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-299-881-22

Query Match 1.0%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 3.8e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1339 CTTGTCATTGCCAGCT 1354
|||| ||| |||||||
Db 16 CTTGCCATAGCCAGCT 1

RESULT 277
US-10-172-086-116
; Sequence 116, Application US/10172086
; Publication No. US20030113750A1
; GENERAL INFORMATION:
; APPLICANT: Epigenomics AG
; TITLE OF INVENTION: Method and nucleic acids for the differentiation
; TITLE OF INVENTION: of prostate tumors
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/172,086
; CURRENT FILING DATE: 2002-06-13
; NUMBER OF SEQ ID NOS: 116
; SEQ ID NO 116
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: TGFA detection oligomer
US-10-172-086-116

Query Match 1.0%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 3.8e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1143 TTTATTTTATTTTAGA 1158
||| |||| |||||||
Db 2 TTTTTTTTGTTTTAGA 17

RESULT 278
US-10-201-685-12/c
; Sequence 12, Application US/10201685
; Publication No. US20030129736A1
; GENERAL INFORMATION:
; APPLICANT: Mitrani, Eduardo N.
; TITLE OF INVENTION: A DEVICE AND METHOD FOR PERFORMING A BIOLOGICAL MODIFICATION OF
; FILE REFERENCE: 24869
; CURRENT APPLICATION NUMBER: US/10/201,685
; CURRENT FILING DATE: 2002-07-24
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 12
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Synthetic, single strand DNA oligonucleotide
US-10-201-685-12

Query Match 1.0%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 3.8e+02;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

```
y        496 GCCAGATGCAATACAA 511
             ||| || ||||||||||
b         18 GCCTGAGGCAATACAA 3
```

```
ESULT 279
S-10-117-955B-5
 Sequence 5, Application US/10117955B
 Publication No. US20030199453A1
 GENERAL INFORMATION:
  APPLICANT: Giordano, Tony
  APPLICANT:  Sturgess, Michael A.
  TITLE OF INVENTION: Small Molecule Inhibitors of Secretion
  TITLE OF INVENTION:  of Proteins Encoded by ARE-mRNAs
  FILE REFERENCE: 50093/018002
  CURRENT APPLICATION NUMBER: US/10/117,955B
  CURRENT FILING DATE:  2002-04-08
  PRIOR APPLICATION NUMBER: US 60/282,974
  PRIOR FILING DATE: 2001-04-10
  NUMBER OF SEQ ID NOS: 7
  SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO 5
    LENGTH: 15
    TYPE: RNA
    ORGANISM: Artificial Sequence
    FEATURE:
    OTHER INFORMATION: consensus motif
S-10-117-955B-5

 Query Match             1.0%;  Score 12.6;  DB 1;  Length 15;
 Best Local Similarity   26.7%;  Pred. No. 3.5e+02;
 Matches    4;  Conservative   10;  Mismatches    1;  Indels    0;  Gaps    0;

y       1045 TATTTATGTATTTAT 1059
             :|:::|: :|:::|:
b          1 WAUUUAUUUAUUUAW 15
```

```
ESULT 280
S-10-105-481-20
 Sequence 20, Application US/10105481
 Publication No. US20030044955A1
 GENERAL INFORMATION:
  APPLICANT: Berka, Randy M
  APPLICANT:  Cullen, Daniel
  APPLICANT:  Gray, Gregory L
  APPLICANT:  Hayenga, Kirk J
  APPLICANT:  Lawlis, Virgil B
  TITLE OF INVENTION: Heterologous Polypeptides Expressed in Filamentous
  TITLE OF INVENTION:  Fungi, Process for
  TITLE OF INVENTION:  Making Same and Vectors for Making Same
  FILE REFERENCE: A-42909-5
  CURRENT APPLICATION NUMBER: US/10/105,481
  CURRENT FILING DATE:  2002-03-20
  PRIOR APPLICATION NUMBER: 09/468,265
  PRIOR FILING DATE: 1999-12-10
  PRIOR APPLICATION NUMBER: 08/484,384
  PRIOR FILING DATE: 1995-06-07
  PRIOR APPLICATION NUMBER: 08/284,942
  PRIOR FILING DATE: 1994-08-02
  PRIOR APPLICATION NUMBER: 07/413,010
  PRIOR FILING DATE: 1989-09-25
  PRIOR APPLICATION NUMBER: 07/163,219
  PRIOR FILING DATE: 1988-02-26
  PRIOR APPLICATION NUMBER: 06/882,224
  PRIOR FILING DATE: 1986-07-07
  PRIOR APPLICATION NUMBER: 06/771,374
  PRIOR FILING DATE: 1985-08-29
  NUMBER OF SEQ ID NOS: 28
  SOFTWARE: PatentIn version 3.1
 SEQ ID NO 20
   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: synthetic oligonucleotide probes
US-10-105-481-20

  Query Match             1.0%;  Score 12.6;  DB 1;  Length 17;
  Best Local Similarity   66.7%;  Pred. No. 3.9e+02;
  Matches   10;  Conservative    5;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1271 AGTATAAGTACATTA 1285
              |:|:||:||:||:|
Db          2 ARTAYAARTAYATHA 16
```

```
RESULT 281
US-08-980-068B-11/c
; Sequence 11, Application US/08980068B
; Publication No. US20020081718A1
; GENERAL INFORMATION:
;  APPLICANT: HOTTA, Yoshiki
;  TITLE OF INVENTION: A POLYPEPTIDE COMMON TO GLIAL CELLS MISSING (GCM)
;  TITLE OF INVENTION:  PROTEINS (AS AMENDED)
;  FILE REFERENCE: 97-1513*/LC/00653
;  CURRENT APPLICATION NUMBER: US/08/980,068B
;  CURRENT FILING DATE:  1997-11-26
;  NUMBER OF SEQ ID NOS: 23
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 11
;   LENGTH: 14
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: DNA FRAGMENT
US-08-980-068B-11

  Query Match             1.0%;  Score 12.4;  DB 1;  Length 14;
  Best Local Similarity   92.9%;  Pred. No. 3.6e+02;
  Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        472 ATTGTGTGGGTCTG 485
              ||| ||||||||||
Db         14 ATTATGTGGGTCTG 1
```

```
RESULT 282
US-09-263-959-669
; Sequence 669, Application US/09263959
; Patent No. US20020150891A1
;  GENERAL INFORMATION:
;    APPLICANT:  Hood, Leroy E.
;    APPLICANT:  Rowen, Lee
;    APPLICANT:  Koop, Ben F.
;    TITLE OF INVENTION:  DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH UTI
;    NUMBER OF SEQUENCES:  1279
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Seed and Berry LLP
;      STREET:  6300 Columbia Center, 701 Fifth Avenue
;      CITY:  Seattle
;      STATE:  Washington
;      COUNTRY:  US
;      ZIP:  98104-7092
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/263,959
;      FILING DATE:  05-MAR-1999
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  McMasters, David D.
```

```
;      REGISTRATION NUMBER:  33,963
;      REFERENCE/DOCKET NUMBER:  920010.426C2
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (206) 622-4900
;      TELEFAX:  (206) 682-6031
;  INFORMATION FOR SEQ ID NO:  669:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  14 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
JS-09-263-959-669

  Query Match             1.0%;  Score 12.4;  DB 1;  Length 14;
  Best Local Similarity   92.9%;  Pred. No. 3.6e+02;
  Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1044 TTATTTATGTATTT 1057
              ||||||||| |||||
Db          1 TTATTTATTTATTT 14


RESULT 283
JS-10-155-233-39
; Sequence 39, Application US/10155233
; Publication No. US20030083294A1
; GENERAL INFORMATION:
;  APPLICANT: SULLENGER, BRUCE A
;  APPLICANT:  RUSCONI, CHRISTOPHER
;  TITLE OF INVENTION: MODULATORS OF PHARMACOLOGICAL AGENTS
;  FILE REFERENCE: 1579-684
;  CURRENT APPLICATION NUMBER: US/10/155,233
;  CURRENT FILING DATE:  2002-05-28
;  PRIOR APPLICATION NUMBER: 60/293,231
;  PRIOR FILING DATE: 2001-05-25
;  PRIOR APPLICATION NUMBER: 60/331,037
;  PRIOR FILING DATE: 2001-11-07
;  NUMBER OF SEQ ID NOS: 41
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 39
;   LENGTH: 14
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:Aptamer
US-10-155-233-39

  Query Match             1.0%;  Score 12.4;  DB 1;  Length 14;
  Best Local Similarity   85.7%;  Pred. No. 3.6e+02;
  Matches   12;  Conservative    1;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        971 GACATGTGGAAGCA 984
              ||||:| |||||||
Db          1 GACAUGGGGAAGCA 14


RESULT 284
US-09-882-945A-330
; Sequence 330, Application US/09882945A
; Publication No. US20030143535A1
; GENERAL INFORMATION:
;  APPLICANT: Lyamichev, Victor
;  APPLICANT:  Allawi, Hatim
;  APPLICANT:  Dong, Fang
;  APPLICANT:  Neri, Bruce
;  APPLICANT:  Vener, Tatiana
;  TITLE OF INVENTION: Nucleic Acid Accessible Hybridization Sites
;  FILE REFERENCE: FORS-04586
;  CURRENT APPLICATION NUMBER: US/09/882,945A
;  CURRENT FILING DATE:  2001-06-15
;  NUMBER OF SEQ ID NOS: 334
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 330
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic
US-09-882-945A-330

  Query Match             1.0%;  Score 12.4;  DB 1;  Length 15;
  Best Local Similarity   92.9%;  Pred. No. 3.8e+02;
  Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1511 AATACAAGGCTTTA 1524
              | ||||||||||||
Db          2 ATTACAAGGCTTTA 15


RESULT 285
US-10-440-850-406/c
; Sequence 406, Application US/10440850
; Publication No. US20030207837A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Jarvis, Thale
;  APPLICANT:  McSwiggen, Jim
;  TITLE OF INVENTION: Method and Reagent for the Induction of Graft Tolerance and Reve
;  TITLE OF INVENTION:  Immune Responses
;  FILE REFERENCE: 250/130 (MBHB00-900-A)
;  CURRENT APPLICATION NUMBER: US/10/440,850
;  CURRENT FILING DATE:  2003-05-19
;  PRIOR APPLICATION NUMBER: US/09/650,012
;  PRIOR FILING DATE: 2000-08-28
;  PRIOR APPLICATION NUMBER: US 08/585,684
;  PRIOR FILING DATE: 1996-01-12
;  PRIOR APPLICATION NUMBER: US 60/000,951
;  PRIOR FILING DATE: 1995-07-07
;  PRIOR APPLICATION NUMBER: US 09/038,073
;  PRIOR FILING DATE: 1998-03-11
;  NUMBER OF SEQ ID NOS: 2285
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 406
;   LENGTH: 15
;   TYPE: RNA
;   ORGANISM: Mus musculus
US-10-440-850-406

  Query Match             1.0%;  Score 12.4;  DB 1;  Length 15;
  Best Local Similarity   92.9%;  Pred. No. 3.8e+02;
  Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1038 TATTTATTATTTAT 1051
              |||||| |||||||
Db         15 TATTTAATATTTAT 2


RESULT 286
US-10-440-850-836/c
; Sequence 836, Application US/10440850
; Publication No. US20030207837A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Jarvis, Thale
;  APPLICANT:  McSwiggen, Jim
;  TITLE OF INVENTION: Method and Reagent for the Induction of Graft Tolerance and Reve
;  TITLE OF INVENTION:  Immune Responses
;  FILE REFERENCE: 250/130 (MBHB00-900-A)
;  CURRENT APPLICATION NUMBER: US/10/440,850
;  CURRENT FILING DATE:  2003-05-19
;  PRIOR APPLICATION NUMBER: US/09/650,012
;  PRIOR FILING DATE: 2000-08-28
;  PRIOR APPLICATION NUMBER: US 08/585,684
;  PRIOR FILING DATE: 1996-01-12
```

PRIOR APPLICATION NUMBER: US 60/000,951
PRIOR FILING DATE: 1995-07-07
PRIOR APPLICATION NUMBER: US 09/038,073
PRIOR FILING DATE: 1998-03-11
NUMBER OF SEQ ID NOS: 2285
SOFTWARE: PatentIn version 3.0
SEQ ID NO 836
LENGTH: 15
TYPE: RNA
ORGANISM: Homo sapiens
IS-10-440-850-836

Query Match 1.0%; Score 12.4; DB 1; Length 15;
Best Local Similarity 92.9%; Pred. No. 3.8e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1456 TGTTTATTATGTAC 1469
||||||||| ||||
Db 15 TGTTTATTAGGTAC 2

RESULT 287
US-10-287-919-591
; Sequence 591, Application US/10287919
; Publication No. US20030085830A1
; GENERAL INFORMATION:
; APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
; TITLE OF INVENTION: Methanococcus jannaschii complete genome.
; FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
; CURRENT APPLICATION NUMBER: US/10/287,919
; CURRENT FILING DATE: 2002-11-05
; NUMBER OF SEQ ID NOS: 2706
; SOFTWARE: Proprietary
; SEQ ID NO 591
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Methanococcus jannaschii complete genome.
; FEATURE:
; LOCATION: (176174)...(176188)
; OTHER INFORMATION: Chromosome = 1 Strand = negative ConnectronObjectNumber = 704
US-10-287-919-591

Query Match 1.0%; Score 12.4; DB 1; Length 15;
Best Local Similarity 92.9%; Pred. No. 3.8e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1502 GCATTTTTAAATAC 1515
|| |||||||||||
Db 2 GCTTTTTTAAATAC 15

RESULT 288
US-10-287-919-653/c
; Sequence 653, Application US/10287919
; Publication No. US20030085830A1
; GENERAL INFORMATION:
; APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
; TITLE OF INVENTION: Methanococcus jannaschii complete genome.
; FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
; CURRENT APPLICATION NUMBER: US/10/287,919
; CURRENT FILING DATE: 2002-11-05
; NUMBER OF SEQ ID NOS: 2706
; SOFTWARE: Proprietary
; SEQ ID NO 653
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Methanococcus jannaschii complete genome.
; FEATURE:
; LOCATION: (228177)...(228191)
; OTHER INFORMATION: Chromosome = 1 Strand = positive ConnectronObjectNumber = 797
US-10-287-919-653

Query Match 1.0%; Score 12.4; DB 1; Length 15;
Best Local Similarity 92.9%; Pred. No. 3.8e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 629 AATAATTTTTGAAT 642
|||||||||||| ||
Db 14 AATAATTTTTGGAT 1

RESULT 289
US-10-287-919-1187/c
; Sequence 1187, Application US/10287919
; Publication No. US20030085830A1
; GENERAL INFORMATION:
; APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
; TITLE OF INVENTION: Methanococcus jannaschii complete genome.
; FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
; CURRENT APPLICATION NUMBER: US/10/287,919
; CURRENT FILING DATE: 2002-11-05
; NUMBER OF SEQ ID NOS: 2706
; SOFTWARE: Proprietary
; SEQ ID NO 1187
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Methanococcus jannaschii complete genome.
; FEATURE:
; LOCATION: (529724)...(529738)
; OTHER INFORMATION: Chromosome = 1 Strand = positive ConnectronObjectNumber = 1453
US-10-287-919-1187

Query Match 1.0%; Score 12.4; DB 1; Length 15;
Best Local Similarity 92.9%; Pred. No. 3.8e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1565 TTTTTTACTGTTTC 1578
||||||| ||||||
Db 15 TTTTTTAATGTTTC 2

RESULT 290
US-10-287-919-1863
; Sequence 1863, Application US/10287919
; Publication No. US20030085830A1
; GENERAL INFORMATION:
; APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
; TITLE OF INVENTION: Methanococcus jannaschii complete genome.
; FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
; CURRENT APPLICATION NUMBER: US/10/287,919
; CURRENT FILING DATE: 2002-11-05
; NUMBER OF SEQ ID NOS: 2706
; SOFTWARE: Proprietary
; SEQ ID NO 1863
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Methanococcus jannaschii complete genome.
; FEATURE:
; LOCATION: (1079460)...(1079474)
; OTHER INFORMATION: Chromosome = 1 Strand = negative ConnectronObjectNumber = 2365
US-10-287-919-1863

Query Match 1.0%; Score 12.4; DB 1; Length 15;
Best Local Similarity 92.9%; Pred. No. 3.8e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1502 GCATTTTTAAATAC 1515
|| |||||||||||
Db 2 GCTTTTTTAAATAC 15

RESULT 291
US-10-287-919-1903/c
; Sequence 1903, Application US/10287919
; Publication No. US20030085830A1
; GENERAL INFORMATION:

```
;  APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
;  TITLE OF INVENTION: Methanococcus jannaschii complete genome.
;  FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
;  CURRENT APPLICATION NUMBER: US/10/287,919
;  CURRENT FILING DATE:  2002-11-05
;  NUMBER OF SEQ ID NOS: 2706
;  SOFTWARE: Proprietary
; SEQ ID NO 1903
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Methanococcus jannaschii complete genome.
;   FEATURE:
;   LOCATION: (1125008)...(1125022)
;   OTHER INFORMATION: Chromosome = 1  Strand = negative  ConnectronObjectNumber =  2421
US-10-287-919-1903

  Query Match             1.0%;  Score 12.4;  DB 1;  Length 15;
  Best Local Similarity   92.9%;  Pred. No. 3.8e+02;
  Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1054 ATTTATTTAAGCAT 1067
              ||||||| ||||||
Db         14 ATTTATTAAAGCAT 1


RESULT 292
US-10-287-919-1939
; Sequence 1939, Application US/10287919
; Publication No. US20030085830A1
; GENERAL INFORMATION:
;  APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
;  TITLE OF INVENTION: Methanococcus jannaschii complete genome.
;  FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
;  CURRENT APPLICATION NUMBER: US/10/287,919
;  CURRENT FILING DATE:  2002-11-05
;  NUMBER OF SEQ ID NOS: 2706
;  SOFTWARE: Proprietary
; SEQ ID NO 1939
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Methanococcus jannaschii complete genome.
;   FEATURE:
;   LOCATION: (1158867)...(1158882)
;   OTHER INFORMATION: Chromosome = 1  Strand = negative  ConnectronObjectNumber =  2471
US-10-287-919-1939

  Query Match             1.0%;  Score 12.4;  DB 1;  Length 15;
  Best Local Similarity   92.9%;  Pred. No. 3.8e+02;
  Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1520 CTTTATATTTTTAA 1533
              ||||||||||||| |
Db          1 CTTTATATTTTTA 14


RESULT 293
US-10-287-919-1971/c
; Sequence 1971, Application US/10287919
; Publication No. US20030085830A1
; GENERAL INFORMATION:
;  APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
;  TITLE OF INVENTION: Methanococcus jannaschii complete genome.
;  FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
;  CURRENT APPLICATION NUMBER: US/10/287,919
;  CURRENT FILING DATE:  2002-11-05
;  NUMBER OF SEQ ID NOS: 2706
;  SOFTWARE: Proprietary
; SEQ ID NO 1971
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Methanococcus jannaschii complete genome.
;   FEATURE:
;   LOCATION: (1187731)...(1187745)
;   OTHER INFORMATION: Chromosome = 1  Strand = negative  ConnectronObjectNumber =  251
US-10-287-919-1971

  Query Match             1.0%;  Score 12.4;  DB 1;  Length 15;
  Best Local Similarity   92.9%;  Pred. No. 3.8e+02;
  Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1054 ATTTATTTAAGCAT 1067
              ||||||| ||||||
Db         14 ATTTATTAAAGCAT 1


RESULT 294
US-10-287-919-2415/c
; Sequence 2415, Application US/10287919
; Publication No. US20030085830A1
; GENERAL INFORMATION:
;  APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
;  TITLE OF INVENTION: Methanococcus jannaschii complete genome.
;  FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
;  CURRENT APPLICATION NUMBER: US/10/287,919
;  CURRENT FILING DATE:  2002-11-05
;  NUMBER OF SEQ ID NOS: 2706
;  SOFTWARE: Proprietary
; SEQ ID NO 2415
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Methanococcus jannaschii complete genome.
;   FEATURE:
;   LOCATION: (1496504)...(1496518)
;   OTHER INFORMATION: Chromosome = 1  Strand = positive  ConnectronObjectNumber =  309
US-10-287-919-2415

  Query Match             1.0%;  Score 12.4;  DB 1;  Length 15;
  Best Local Similarity   92.9%;  Pred. No. 3.8e+02;
  Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1565 TTTTTTACTGTTTC 1578
              ||||||| ||||||
Db         15 TTTTTTAATGTTTC 2


RESULT 295
US-10-287-919-2419/c
; Sequence 2419, Application US/10287919
; Publication No. US20030085830A1
; GENERAL INFORMATION:
;  APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
;  TITLE OF INVENTION: Methanococcus jannaschii complete genome.
;  FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
;  CURRENT APPLICATION NUMBER: US/10/287,919
;  CURRENT FILING DATE:  2002-11-05
;  NUMBER OF SEQ ID NOS: 2706
;  SOFTWARE: Proprietary
; SEQ ID NO 2419
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Methanococcus jannaschii complete genome.
;   FEATURE:
;   LOCATION: (1498385)...(1498398)
;   OTHER INFORMATION: Chromosome = 1  Strand = negative  ConnectronObjectNumber =  310
US-10-287-919-2419

  Query Match             1.0%;  Score 12.4;  DB 1;  Length 15;
  Best Local Similarity   92.9%;  Pred. No. 3.8e+02;
  Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        629 AATAATTTTTGAAT 642
              |||||||||||| ||
Db         14 AATAATTTTTGGAT 1


RESULT 296
```

```
S-10-287-919-2626
 Sequence 2626, Application US/10287919
 Publication No. US20030085830A1
 GENERAL INFORMATION:
  APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
  TITLE OF INVENTION: Methanococcus jannaschii complete genome.
  FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
  CURRENT APPLICATION NUMBER: US/10/287,919
  CURRENT FILING DATE:  2002-11-05
  NUMBER OF SEQ ID NOS: 2706
  SOFTWARE: Proprietary
 SEQ ID NO 2626
   LENGTH: 15
   TYPE: DNA
   ORGANISM: Methanococcus jannaschii complete genome.
   FEATURE:
   LOCATION: (1597544)...(1597558)
   OTHER INFORMATION: Chromosome = 1  Strand = negative  ConnectronObjectNumber =  3349
S-10-287-919-2626

 Query Match             1.0%;  Score 12.4;  DB 1;  Length 15;
 Best Local Similarity   92.9%;  Pred. No. 3.8e+02;
 Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1520 CTTTATATTTTTAA 1533
             ||||||||||||| |
Db          1 CTTTATATTTTTTA 14


RESULT 297
US-09-827-998-196
 Sequence 196, Application US/09827998
 Patent No. US20020102252A1
 GENERAL INFORMATION:
  APPLICANT: Gu, Yizhong
  APPLICANT:  Shannon, Mark
  TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
  FILE REFERENCE: MDhMORF-8
  CURRENT APPLICATION NUMBER: US/09/827,998
  CURRENT FILING DATE:  2001-04-06
  PRIOR APPLICATION NUMBER: US 60/207,456
  PRIOR FILING DATE: 2000-05-26
  PRIOR APPLICATION NUMBER: US 60/236,359
  PRIOR FILING DATE: 2000-09-27
  NUMBER OF SEQ ID NOS: 1881
  SOFTWARE: Aeomica Sequence Listing Engine
 SEQ ID NO 196
   LENGTH: 17
   TYPE: DNA
   ORGANISM: Homo sapiens
US-09-827-998-196

 Query Match             1.0%;  Score 12.4;  DB 1;  Length 17;
 Best Local Similarity   92.9%;  Pred. No. 4.2e+02;
 Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1501 TGCATTTTTAAATA 1514
              |||||||| |||||
Db          4 TGCATTTTAAAATA 17


RESULT 298
US-09-827-998-197
; Sequence 197, Application US/09827998
; Patent No. US20020102252A1
; GENERAL INFORMATION:
;  APPLICANT: Gu, Yizhong
;  APPLICANT:  Shannon, Mark
;  TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
;  FILE REFERENCE: MDhMORF-8
;  CURRENT APPLICATION NUMBER: US/09/827,998
;  CURRENT FILING DATE:  2001-04-06
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  NUMBER OF SEQ ID NOS: 1881
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 197
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-827-998-197

  Query Match             1.0%;  Score 12.4;  DB 1;  Length 17;
  Best Local Similarity   92.9%;  Pred. No. 4.2e+02;
  Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1501 TGCATTTTTAAATA 1514
              |||||||| |||||
Db          3 TGCATTTTAAAATA 16


RESULT 299
US-09-827-998-198
; Sequence 198, Application US/09827998
; Patent No. US20020102252A1
; GENERAL INFORMATION:
;  APPLICANT: Gu, Yizhong
;  APPLICANT:  Shannon, Mark
;  TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
;  FILE REFERENCE: MDhMORF-8
;  CURRENT APPLICATION NUMBER: US/09/827,998
;  CURRENT FILING DATE:  2001-04-06
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  NUMBER OF SEQ ID NOS: 1881
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 198
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-827-998-198

  Query Match             1.0%;  Score 12.4;  DB 1;  Length 17;
  Best Local Similarity   92.9%;  Pred. No. 4.2e+02;
  Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1501 TGCATTTTTAAATA 1514
              |||||||| |||||
Db          2 TGCATTTTAAAATA 15


RESULT 300
US-09-827-998-199
; Sequence 199, Application US/09827998
; Patent No. US20020102252A1
; GENERAL INFORMATION:
;  APPLICANT: Gu, Yizhong
;  APPLICANT:  Shannon, Mark
;  TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
;  FILE REFERENCE: MDhMORF-8
;  CURRENT APPLICATION NUMBER: US/09/827,998
;  CURRENT FILING DATE:  2001-04-06
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  NUMBER OF SEQ ID NOS: 1881
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 199
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
```

```
US-09-827-998-199

  Query Match             1.0%;  Score 12.4;  DB 1;  Length 17;
  Best Local Similarity   92.9%;  Pred. No. 4.2e+02;
  Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1501 TGCATTTTTAAATA 1514
              ||||||||  |||||
Db          1 TGCATTTTAAAATA 14


RESULT 301
US-09-263-959-744/c
; Sequence 744, Application US/09263959
; Patent No. US20020150891A1
;  GENERAL INFORMATION:
;    APPLICANT:  Hood, Leroy E.
;    APPLICANT:  Rowen, Lee
;    APPLICANT:  Koop, Ben F.
;    TITLE OF INVENTION:  DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH UTI
;    NUMBER OF SEQUENCES:  1279
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Seed and Berry LLP
;      STREET:  6300 Columbia Center, 701 Fifth Avenue
;      CITY:  Seattle
;      STATE:  Washington
;      COUNTRY:  US
;      ZIP:  98104-7092
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/263,959
;      FILING DATE:  05-MAR-1999
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  McMasters, David D.
;      REGISTRATION NUMBER:  33,963
;      REFERENCE/DOCKET NUMBER:  920010.426C2
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (206) 622-4900
;      TELEFAX:  (206) 682-6031
;  INFORMATION FOR SEQ ID NO:  744:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-09-263-959-744

  Query Match             1.0%;  Score 12.4;  DB 1;  Length 17;
  Best Local Similarity   92.9%;  Pred. No. 4.2e+02;
  Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1142 ATTTATTTTATTTT 1155
              ||||  |||||||||
Db         14 ATTTTTTTTATTTT 1


RESULT 302
US-09-864-785-668
; Sequence 668, Application US/09864785
; Patent No. US20020177568A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Draper, Ken
;  APPLICANT:  McSwiggen, Jim
;  TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
;  TITLE OF INVENTION:  Levels of NF-Kappa B
;  FILE REFERENCE: 400/022 (MBHB00-812-D)
;  CURRENT APPLICATION NUMBER: US/09/864,785
;  CURRENT FILING DATE:  2001-05-23
;  NUMBER OF SEQ ID NOS: 3929
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 668
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  Nucleic Acid
US-09-864-785-668

  Query Match             1.0%;  Score 12.4;  DB 1;  Length 17;
  Best Local Similarity   85.7%;  Pred. No. 4.2e+02;
  Matches   12;  Conservative    1;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        870 CCAGGATCCACAAG 883
              ||||||:||| |||
Db          1 CCAGGAUCCAGAAG 14


RESULT 303
US-09-864-785-2141
; Sequence 2141, Application US/09864785
; Patent No. US20020177568A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Draper, Ken
;  APPLICANT:  McSwiggen, Jim
;  TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relat
;  TITLE OF INVENTION:  Levels of NF-Kappa B
;  FILE REFERENCE: 400/022 (MBHB00-812-D)
;  CURRENT APPLICATION NUMBER: US/09/864,785
;  CURRENT FILING DATE:  2001-05-23
;  NUMBER OF SEQ ID NOS: 3929
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2141
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  Nucleic Acid
US-09-864-785-2141

  Query Match             1.0%;  Score 12.4;  DB 1;  Length 17;
  Best Local Similarity   85.7%;  Pred. No. 4.2e+02;
  Matches   12;  Conservative    1;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        870 CCAGGATCCACAAG 883
              ||||||:||| |||
Db          4 CCAGGAUCCAGAAG 17


RESULT 304
US-09-730-289B-176/c
; Sequence 176, Application US/09730289B
; Publication No. US20030050259A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Blatt, Larry
;  APPLICANT:  McSwiggen, Jim
;  TITLE OF INVENTION: Method and Reagent for Treatment of Cardiac Disease
;  FILE REFERENCE: MBHB00-864-A (400/006)
;  CURRENT APPLICATION NUMBER: US/09/730,289B
;  CURRENT FILING DATE:  2000-12-05
;  PRIOR APPLICATION NUMBER: US 60/169,100
;  PRIOR FILING DATE: 1999-12-06
;  NUMBER OF SEQ ID NOS: 3897
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 176
;   LENGTH: 17
;   TYPE: RNA
```

ORGANISM: Homo sapiens
S-09-730-289B-176

Query Match 1.0%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 4.2e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

y 1007 ATAAATTATTTTCA 1020
||||||||| ||||
b 17 ATAAATTATATTCA 4

ESULT 305
S-09-818-875-583
Sequence 583, Application US/09818875
Publication No. US20030051270A1
GENERAL INFORMATION:
APPLICANT: Kmiec, Eric B.
APPLICANT: Gamper, Howard B.
APPLICANT: Rice, Michael C.
TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
TITLE OF INVENTION: Stranded Oligonucleotides
FILE REFERENCE: Napro-4
CURRENT APPLICATION NUMBER: US/09/818,875
CURRENT FILING DATE: 2001-03-27
PRIOR APPLICATION NUMBER: US 60/192,176
PRIOR FILING DATE: 2000-03-27
PRIOR APPLICATION NUMBER: US 60/192,179
PRIOR FILING DATE: 2000-03-27
PRIOR APPLICATION NUMBER: US 60/208,538
PRIOR FILING DATE: 2000-06-01
PRIOR APPLICATION NUMBER: US 60/244,989
PRIOR FILING DATE: 2000-10-30
NUMBER OF SEQ ID NOS: 4385
SOFTWARE: Friedman macro Napro4
SEQ ID NO 583
LENGTH: 17
TYPE: DNA
ORGANISM: Homo sapiens
JS-09-818-875-583

Query Match 1.0%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 4.2e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1204 ATTAAACAAACAAA 1217
||||||||| ||||
Db 3 ATTAAACAATCAAA 16

RESULT 306
US-09-818-875-584/c
; Sequence 584, Application US/09818875
; Publication No. US20030051270A1
; GENERAL INFORMATION:
; APPLICANT: Kmiec, Eric B.
; APPLICANT: Gamper, Howard B.
; APPLICANT: Rice, Michael C.
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
; TITLE OF INVENTION: Stranded Oligonucleotides
; FILE REFERENCE: Napro-4
; CURRENT APPLICATION NUMBER: US/09/818,875
; CURRENT FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: US 60/192,176
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/192,179
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/208,538
; PRIOR FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/244,989
; PRIOR FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 4385
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 584
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-818-875-584

Query Match 1.0%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 4.2e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1204 ATTAAACAAACAAA 1217
||||||||| ||||
Db 15 ATTAAACAATCAAA 2

RESULT 307
US-09-818-875-3054
; Sequence 3054, Application US/09818875
; Publication No. US20030051270A1
; GENERAL INFORMATION:
; APPLICANT: Kmiec, Eric B.
; APPLICANT: Gamper, Howard B.
; APPLICANT: Rice, Michael C.
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
; TITLE OF INVENTION: Stranded Oligonucleotides
; FILE REFERENCE: Napro-4
; CURRENT APPLICATION NUMBER: US/09/818,875
; CURRENT FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: US 60/192,176
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/192,179
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/208,538
; PRIOR FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/244,989
; PRIOR FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 4385
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 3054
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-818-875-3054

Query Match 1.0%; Score 12.4; DB 1; Length 17;
Best Local Similarity 92.9%; Pred. No. 4.2e+02;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 533 TTCAGTAAACAATG 546
||||||| ||||||
Db 4 TTCAGTACACAATG 17

RESULT 308
US-09-818-875-3055/c
; Sequence 3055, Application US/09818875
; Publication No. US20030051270A1
; GENERAL INFORMATION:
; APPLICANT: Kmiec, Eric B.
; APPLICANT: Gamper, Howard B.
; APPLICANT: Rice, Michael C.
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
; TITLE OF INVENTION: Stranded Oligonucleotides
; FILE REFERENCE: Napro-4
; CURRENT APPLICATION NUMBER: US/09/818,875
; CURRENT FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: US 60/192,176
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/192,179
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/208,538
; PRIOR FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/244,989

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;  PRIOR FILING DATE: 2000-10-30
;  NUMBER OF SEQ ID NOS: 4385
;  SOFTWARE: Friedman macro Napro4
; SEQ ID NO 3055
;    LENGTH: 17
;    TYPE: DNA
;    ORGANISM: Homo sapiens
US-09-818-875-3055

  Query Match             1.0%;  Score 12.4;  DB 1;  Length 17;
  Best Local Similarity   92.9%;  Pred. No. 4.2e+02;
  Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        533 TTCAGTAAACAATG 546
              ||||||| ||||||
Db         14 TTCAGTACACAATG 1


RESULT 309
US-09-780-533A-458/c
; Sequence 458, Application US/09780533A
; Publication No. US20030060611A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Blatt, Larry
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Chowrira, Bharat
;  APPLICANT:  Haeberli, Pete
;  TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Gene
;  FILE REFERENCE: MBHB00,878-A (400/011)
;  CURRENT APPLICATION NUMBER: US/09/780,533A
;  CURRENT FILING DATE:  2001-02-09
;  PRIOR APPLICATION NUMBER: US 60/181,797
;  PRIOR FILING DATE: 2000-02-11
;  NUMBER OF SEQ ID NOS: 6679
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 458
;    LENGTH: 17
;    TYPE: RNA
;    ORGANISM: Homo sapiens
US-09-780-533A-458

  Query Match             1.0%;  Score 12.4;  DB 1;  Length 17;
  Best Local Similarity   92.9%;  Pred. No. 4.2e+02;
  Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1096 TAGAAGATGAATCA 1109
              ||||| ||||||||
Db         14 TAGAAAATGAATCA 1


RESULT 310
US-09-780-533A-1127
; Sequence 1127, Application US/09780533A
; Publication No. US20030060611A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Blatt, Larry
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Chowrira, Bharat
;  APPLICANT:  Haeberli, Pete
;  TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Gene
;  FILE REFERENCE: MBHB00,878-A (400/011)
;  CURRENT APPLICATION NUMBER: US/09/780,533A
;  CURRENT FILING DATE:  2001-02-09
;  PRIOR APPLICATION NUMBER: US 60/181,797
;  PRIOR FILING DATE: 2000-02-11
;  NUMBER OF SEQ ID NOS: 6679
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1127
;    LENGTH: 17
;    TYPE: RNA
;    ORGANISM: Homo sapiens
US-09-780-533A-1127

  Query Match             1.0%;  Score 12.4;  DB 1;  Length 17;
  Best Local Similarity   64.3%;  Pred. No. 4.2e+02;
  Matches    9;  Conservative    4;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        623 ACAACAAATAATTT 636
              |||||| |:||:::
Db          4 ACAACAGAUAAUUU 17


RESULT 311
US-09-780-533A-2182
; Sequence 2182, Application US/09780533A
; Publication No. US20030060611A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Blatt, Larry
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Chowrira, Bharat
;  APPLICANT:  Haeberli, Pete
;  TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Gene
;  FILE REFERENCE: MBHB00,878-A (400/011)
;  CURRENT APPLICATION NUMBER: US/09/780,533A
;  CURRENT FILING DATE:  2001-02-09
;  PRIOR APPLICATION NUMBER: US 60/181,797
;  PRIOR FILING DATE: 2000-02-11
;  NUMBER OF SEQ ID NOS: 6679
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2182
;    LENGTH: 17
;    TYPE: RNA
;    ORGANISM: Homo sapiens
US-09-780-533A-2182

  Query Match             1.0%;  Score 12.4;  DB 1;  Length 17;
  Best Local Similarity   64.3%;  Pred. No. 4.2e+02;
  Matches    9;  Conservative    4;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        623 ACAACAAATAATTT 636
              |||||| |:||:::
Db          2 ACAACAGAUAAUUU 15


RESULT 312
US-09-780-533A-2524
; Sequence 2524, Application US/09780533A
; Publication No. US20030060611A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Blatt, Larry
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Chowrira, Bharat
;  APPLICANT:  Haeberli, Pete
;  TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Gene
;  FILE REFERENCE: MBHB00,878-A (400/011)
;  CURRENT APPLICATION NUMBER: US/09/780,533A
;  CURRENT FILING DATE:  2001-02-09
;  PRIOR APPLICATION NUMBER: US 60/181,797
;  PRIOR FILING DATE: 2000-02-11
;  NUMBER OF SEQ ID NOS: 6679
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2524
;    LENGTH: 17
;    TYPE: RNA
;    ORGANISM: Homo sapiens
US-09-780-533A-2524

  Query Match             1.0%;  Score 12.4;  DB 1;  Length 17;
  Best Local Similarity   64.3%;  Pred. No. 4.2e+02;
  Matches    9;  Conservative    4;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        623 ACAACAAATAATTT 636
```

```
                ||||||  |:||:::
b           3 ACAACAGAUAAUUU 16


ESULT 313
S-09-780-533A-2556
 Sequence 2556, Application US/09780533A
 Publication No. US20030060611A1
 GENERAL INFORMATION:
  APPLICANT: Ribozyme Pharmaceuticals, Inc.
  APPLICANT:  Blatt, Larry
  APPLICANT:  McSwiggen, Jim
  APPLICANT:  Chowrira, Bharat
  APPLICANT:  Haeberli, Pete
  TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Gene
  FILE REFERENCE: MBHB00,878-A (400/011)
  CURRENT APPLICATION NUMBER: US/09/780,533A
  CURRENT FILING DATE:  2001-02-09
  PRIOR APPLICATION NUMBER: US 60/181,797
  PRIOR FILING DATE: 2000-02-11
  NUMBER OF SEQ ID NOS: 6679
  SOFTWARE: PatentIn version 3.0
 SEQ ID NO 2556
   LENGTH: 17
   TYPE: RNA
   ORGANISM: Homo sapiens
IS-09-780-533A-2556

  Query Match             1.0%;  Score 12.4;  DB 1;  Length 17;
  Best Local Similarity   78.6%;  Pred. No. 4.2e+02;
  Matches   11;  Conservative    2;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1204 ATTAAACAAACAAA 1217
              |::||| |||||||
Db          3 AUUAAAGAAACAAA 16


RESULT 314
JS-09-848-754A-198
; Sequence 198, Application US/09848754A
; Publication No. US20030073207A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
;  TITLE OF INVENTION:  Levels of Epidermal Growth Factor Receptors
;  FILE REFERENCE: MBHB00-958-I (400/018)
;  CURRENT APPLICATION NUMBER: US/09/848,754A
;  CURRENT FILING DATE:  2001-05-03
;  NUMBER OF SEQ ID NOS: 9645
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 198
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-848-754A-198

  Query Match             1.0%;  Score 12.4;  DB 1;  Length 17;
  Best Local Similarity   71.4%;  Pred. No. 4.2e+02;
  Matches   10;  Conservative    3;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        530 AATTTCAGTAAACA 543
              ||:::||| |||||
Db          4 AAUUUCAGGAAACA 17


RESULT 315
US-09-776-474-297
; Sequence 297, Application US/09776474
; Publication No. US20030087847A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Jarvis, Thale
;  APPLICANT:  Booher, Robert
;  APPLICANT:  Holman, Patricia
;  APPLICANT:  Fattaey, Ali
;  APPLICANT:  McSwiggen, Jim
;  TITLE OF INVENTION: Method and Reagent for the Inhibition of Checkpoint Kinase-1 (CHF
;  TITLE OF INVENTION:  Enzyme
;  FILE REFERENCE: MBHB00-955-A (400/008)
;  CURRENT APPLICATION NUMBER: US/09/776,474
;  CURRENT FILING DATE:  2001-02-02
;  PRIOR APPLICATION NUMBER: US 60/179,983
;  PRIOR FILING DATE: 2000-03-02
;  NUMBER OF SEQ ID NOS: 2992
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 297
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  Nucleic Acid
US-09-776-474-297

  Query Match             1.0%;  Score 12.4;  DB 1;  Length 17;
  Best Local Similarity   21.4%;  Pred. No. 4.2e+02;
  Matches    3;  Conservative   10;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1141 AATTTATTTTATTT 1154
              ||:::|:::: :::
Db          4 AAUUUAUUUUGUUU 17


RESULT 316
US-09-776-474-298
; Sequence 298, Application US/09776474
; Publication No. US20030087847A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Jarvis, Thale
;  APPLICANT:  Booher, Robert
;  APPLICANT:  Holman, Patricia
;  APPLICANT:  Fattaey, Ali
;  APPLICANT:  McSwiggen, Jim
;  TITLE OF INVENTION: Method and Reagent for the Inhibition of Checkpoint Kinase-1 (CHF
;  TITLE OF INVENTION:  Enzyme
;  FILE REFERENCE: MBHB00-955-A (400/008)
;  CURRENT APPLICATION NUMBER: US/09/776,474
;  CURRENT FILING DATE:  2001-02-02
;  PRIOR APPLICATION NUMBER: US 60/179,983
;  PRIOR FILING DATE: 2000-03-02
;  NUMBER OF SEQ ID NOS: 2992
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 298
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  Nucleic Acid
US-09-776-474-298

  Query Match             1.0%;  Score 12.4;  DB 1;  Length 17;
  Best Local Similarity   21.4%;  Pred. No. 4.2e+02;
  Matches    3;  Conservative   10;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1141 AATTTATTTTATTT 1154
              ||:::|:::: :::
Db          2 AAUUUAUUUUGUUU 15


RESULT 317
US-09-776-474-299
; Sequence 299, Application US/09776474
; Publication No. US20030087847A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Jarvis, Thale
```

```
;  APPLICANT:  Booher, Robert
;  APPLICANT:  Holman, Patricia
;  APPLICANT:  Fattaey, Ali
;  APPLICANT:  McSwiggen, Jim
;  TITLE OF INVENTION: Method and Reagent for the Inhibition of Checkpoint Kinase-1 (CHK
;  TITLE OF INVENTION:  Enzyme
;  FILE REFERENCE: MBHB00-955-A (400/008)
;  CURRENT APPLICATION NUMBER: US/09/776,474
;  CURRENT FILING DATE:  2001-02-02
;  PRIOR APPLICATION NUMBER: US 60/179,983
;  PRIOR FILING DATE: 2000-03-02
;  NUMBER OF SEQ ID NOS: 2992
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 299
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  Nucleic Acid
JS-09-776-474-299

  Query Match             1.0%;  Score 12.4;  DB 1;  Length 17;
  Best Local Similarity   21.4%;  Pred. No. 4.2e+02;
  Matches    3;  Conservative   10;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1141 AATTTATTTTATTT 1154
              ||:::|:::: :::
Db          1 AAUUUAUUUUGUUU 14


RESULT 318
JS-09-740-332-1259/c
; Sequence 1259, Application US/09740332
; Publication No. US20030125270A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals Inc.
;  TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
;  TITLE OF INVENTION:  Hepatitis C Virus Infection
;  FILE REFERENCE: RPI 400/003
;  CURRENT APPLICATION NUMBER: US/09/740,332
;  CURRENT FILING DATE:  2001-03-26
;  NUMBER OF SEQ ID NOS: 9704
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1259
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: artificial sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION:
;   OTHER INFORMATION: oligonucleotide substrate
JS-09-740-332-1259

  Query Match             1.0%;  Score 12.4;  DB 1;  Length 17;
  Best Local Similarity   92.9%;  Pred. No. 4.2e+02;
  Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        893 CACTGTGCCTTGGT 906
              ||||||| ||||||
Db         14 CACTGTGGCTTGGT 1


RESULT 319
JS-09-792-818-289
; Sequence 289, Application US/09792818
; Publication No. US20030134806A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Jarvis, Thale
;  APPLICANT:  Von Carlowitz, Ira
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Hamblin, Paul
;  APPLICANT:  Ellis, Jonathan
;  TITLE OF INVENTION: Method and Reagent for the Inhibition of Grb-2-related with Inse
;  TITLE OF INVENTION:  (GRID) Gene
;  FILE REFERENCE: MBHB00-901-A (400/013)
;  CURRENT APPLICATION NUMBER: US/09/792,818
;  CURRENT FILING DATE:  2001-02-23
;  NUMBER OF SEQ ID NOS: 2304
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 289
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-792-818-289

  Query Match             1.0%;  Score 12.4;  DB 1;  Length 17;
  Best Local Similarity   64.3%;  Pred. No. 4.2e+02;
  Matches    9;  Conservative    4;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        457 TTCAACACTTCATG 470
              ::|||||::|| |
Db          3 UUCAACACUUCAAG 16


RESULT 320
US-09-792-818-290
; Sequence 290, Application US/09792818
; Publication No. US20030134806A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Jarvis, Thale
;  APPLICANT:  Von Carlowitz, Ira
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Hamblin, Paul
;  APPLICANT:  Ellis, Jonathan
;  TITLE OF INVENTION: Method and Reagent for the Inhibition of Grb-2-related with Inse
;  TITLE OF INVENTION:  (GRID) Gene
;  FILE REFERENCE: MBHB00-901-A (400/013)
;  CURRENT APPLICATION NUMBER: US/09/792,818
;  CURRENT FILING DATE:  2001-02-23
;  NUMBER OF SEQ ID NOS: 2304
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 290
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-792-818-290

  Query Match             1.0%;  Score 12.4;  DB 1;  Length 17;
  Best Local Similarity   64.3%;  Pred. No. 4.2e+02;
  Matches    9;  Conservative    4;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        457 TTCAACACTTCATG 470
              ::||||||::|| |
Db          1 UUCAACACUUCAAG 14


RESULT 321
US-10-238-700-319
; Sequence 319, Application US/10238700
; Publication No. US20030153521A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, James
;  TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Leve
;  FILE REFERENCE: 400/057  (MBHB01-1158-A)
;  CURRENT APPLICATION NUMBER: US/10/238,700
;  CURRENT FILING DATE:  2002-09-18
;  PRIOR APPLICATION NUMBER: PCT/US 02/16840
;  PRIOR FILING DATE: 2002-05-29
;  PRIOR APPLICATION NUMBER: US 60/318,471
;  PRIOR FILING DATE: 2001-09-10
;  NUMBER OF SEQ ID NOS: 4666
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 319
```

```
   LENGTH: 17
   TYPE: RNA
   ORGANISM: Homo sapiens
S-10-238-700-319

 Query Match              1.0%;  Score 12.4;  DB 1;  Length 17;
 Best Local Similarity   57.1%;  Pred. No. 4.2e+02;
 Matches    8;  Conservative    5;  Mismatches    1;  Indels    0;  Gaps    0;

y       1175 ATTAGATAAATTTC 1188
             |::|||:|||:: |
b          4 AUUAGAUAAAUUAC 17


ESULT 322
S-10-238-700-1292
 Sequence 1292, Application US/10238700
 Publication No. US20030153521A1
 GENERAL INFORMATION:
  APPLICANT: Ribozyme Pharmaceuticals, Inc.
  APPLICANT:  McSwiggen, James
  TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Level
  FILE REFERENCE: 400/057  (MBHB01-1158-A)
  CURRENT APPLICATION NUMBER: US/10/238,700
  CURRENT FILING DATE:  2002-09-18
  PRIOR APPLICATION NUMBER: PCT/US 02/16840
  PRIOR FILING DATE: 2002-05-29
  PRIOR APPLICATION NUMBER: US 60/318,471
  PRIOR FILING DATE: 2001-09-10
  NUMBER OF SEQ ID NOS: 4666
  SOFTWARE: PatentIn version 3.0
 SEQ ID NO 1292
   LENGTH: 17
   TYPE: RNA
   ORGANISM: Homo sapiens
S-10-238-700-1292

 Query Match              1.0%;  Score 12.4;  DB 1;  Length 17;
 Best Local Similarity   50.0%;  Pred. No. 4.2e+02;
 Matches    7;  Conservative    6;  Mismatches    1;  Indels    0;  Gaps    0;

y       1111 TGATTGAATAGTTA 1124
             : |::|||:||::|
b          2 UAAUUGAAUAGUUA 15


ESULT 323
S-09-817-879-1259/c
 Sequence 1259, Application US/09817879
 Publication No. US20030171311A1
 GENERAL INFORMATION:
  APPLICANT: Ribozyme Pharmaceuticals Inc.
  TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
  TITLE OF INVENTION:  Hepatitis C Virus Infection
  FILE REFERENCE: MBHB00-801-F
  CURRENT APPLICATION NUMBER: US/09/817,879
  CURRENT FILING DATE:  2001-03-26
  NUMBER OF SEQ ID NOS: 9703
  SOFTWARE: PatentIn version 3.0
 SEQ ID NO 1259
   LENGTH: 17
   TYPE: RNA
   ORGANISM: artificial sequence
   FEATURE:
   NAME/KEY: misc_feature
   LOCATION:
   OTHER INFORMATION: oligonucleotide substrate
S-09-817-879-1259

 Query Match              1.0%;  Score 12.4;  DB 1;  Length 17;
 Best Local Similarity   92.9%;  Pred. No. 4.2e+02;
 Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        893 CACTGTGCCTTGGT 906
              |||||| ||||||
Db         14 CACTGTGGCTTGGT 1


RESULT 324
US-10-340-192-29
; Sequence 29, Application US/10340192
; Publication No. US20030170700A1
; GENERAL INFORMATION:
;  APPLICANT: Lynx Therapeutics, Inc.
;  APPLICANT:  Shang, Jin
;  APPLICANT:  Bowen, Benjamin A
;  TITLE OF INVENTION: SECRETED AND CELL SURFACE POLYPEPTIDES AFFECTED BY CHOLESTEROL AI
;  TITLE OF INVENTION:  THEREOF
;  FILE REFERENCE: 37-000610US
;  CURRENT APPLICATION NUMBER: US/10/340,192
;  CURRENT FILING DATE:  2003-01-08
;  NUMBER OF SEQ ID NOS: 88
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 29
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-340-192-29

  Query Match              1.0%;  Score 12.4;  DB 1;  Length 17;
  Best Local Similarity   92.9%;  Pred. No. 4.2e+02;
  Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        874 GATCCACAAGTCCT 887
              ||||| ||||||||
Db          1 GATCCTCAAGTCCT 14


RESULT 325
US-10-091-281-263/c
; Sequence 263, Application US/10091281
; Publication No. US20030190617A1
; GENERAL INFORMATION:
;  APPLICANT: RAYMOND, VINCENT
;  APPLICANT:  SI, ERWIN
;  APPLICANT:  MORISETTE, JEAN
;  TITLE OF INVENTION: OPTINEURIN NUCLEIC ACID MOLECULES AND USES THEREOF
;  FILE REFERENCE: 13587.338
;  CURRENT APPLICATION NUMBER: US/10/091,281
;  CURRENT FILING DATE:  2002-03-06
;  NUMBER OF SEQ ID NOS: 463
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 263
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   OTHER INFORMATION: Putative HNF1/HNF1.02 motif
US-10-091-281-263

  Query Match              1.0%;  Score 12.4;  DB 1;  Length 17;
  Best Local Similarity   92.9%;  Pred. No. 4.2e+02;
  Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1108 CATTGATTGAATAG 1121
              |||| |||||||||
Db         16 CATTTATTGAATAG 3


RESULT 326
US-10-209-787-583
; Sequence 583, Application US/10209787
; Publication No. US20030217377A1
; GENERAL INFORMATION:
;  APPLICANT: Kmiec, Eric B.
;  APPLICANT:  Gamper, Howard B.
```

```
;  APPLICANT:  Rice, Michael C.
;  TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
;  TITLE OF INVENTION:  Stranded Oligonucleotides
;  FILE REFERENCE: Napro-4
;  CURRENT APPLICATION NUMBER: US/10/209,787
;  CURRENT FILING DATE:  2002-07-30
;  PRIOR APPLICATION NUMBER: US 09/818,875
;  PRIOR FILING DATE: 2001-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,176
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,179
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/208,538
;  PRIOR FILING DATE: 2000-06-01
;  PRIOR APPLICATION NUMBER: US 60/244,989
;  PRIOR FILING DATE: 2000-10-30
;  NUMBER OF SEQ ID NOS: 4385
;  SOFTWARE: Friedman macro Napro4
; SEQ ID NO 583
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-209-787-583

  Query Match             1.0%;  Score 12.4;  DB 1;  Length 17;
  Best Local Similarity   92.9%;  Pred. No. 4.2e+02;
  Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1204 ATTAAACAAACAAA 1217
              ||||||||| ||||
Db          3 ATTAAACAATCAAA 16


RESULT 327
US-10-209-787-584/c
; Sequence 584, Application US/10209787
; Publication No. US20030217377A1
; GENERAL INFORMATION:
;  APPLICANT: Kmiec, Eric B.
;  APPLICANT:  Gamper, Howard B.
;  APPLICANT:  Rice, Michael C.
;  TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
;  TITLE OF INVENTION:  Stranded Oligonucleotides
;  FILE REFERENCE: Napro-4
;  CURRENT APPLICATION NUMBER: US/10/209,787
;  CURRENT FILING DATE:  2002-07-30
;  PRIOR APPLICATION NUMBER: US 09/818,875
;  PRIOR FILING DATE: 2001-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,176
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,179
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/208,538
;  PRIOR FILING DATE: 2000-06-01
;  PRIOR APPLICATION NUMBER: US 60/244,989
;  PRIOR FILING DATE: 2000-10-30
;  NUMBER OF SEQ ID NOS: 4385
;  SOFTWARE: Friedman macro Napro4
; SEQ ID NO 584
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-209-787-584

  Query Match             1.0%;  Score 12.4;  DB 1;  Length 17;
  Best Local Similarity   92.9%;  Pred. No. 4.2e+02;
  Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1204 ATTAAACAAACAAA 1217
              ||||||||| ||||
Db         15 ATTAAACAATCAAA 2


RESULT 328
US-10-209-787-3054
; Sequence 3054, Application US/10209787
; Publication No. US20030217377A1
; GENERAL INFORMATION:
;  APPLICANT: Kmiec, Eric B.
;  APPLICANT:  Gamper, Howard B.
;  APPLICANT:  Rice, Michael C.
;  TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
;  TITLE OF INVENTION:  Stranded Oligonucleotides
;  FILE REFERENCE: Napro-4
;  CURRENT APPLICATION NUMBER: US/10/209,787
;  CURRENT FILING DATE:  2002-07-30
;  PRIOR APPLICATION NUMBER: US 09/818,875
;  PRIOR FILING DATE: 2001-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,176
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,179
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/208,538
;  PRIOR FILING DATE: 2000-06-01
;  PRIOR APPLICATION NUMBER: US 60/244,989
;  PRIOR FILING DATE: 2000-10-30
;  NUMBER OF SEQ ID NOS: 4385
;  SOFTWARE: Friedman macro Napro4
; SEQ ID NO 3054
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-209-787-3054

  Query Match             1.0%;  Score 12.4;  DB 1;  Length 17;
  Best Local Similarity   92.9%;  Pred. No. 4.2e+02;
  Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        533 TTCAGTAAACAATG 546
              ||||||| ||||||
Db          4 TTCAGTACACAATG 17


RESULT 329
US-10-209-787-3055/c
; Sequence 3055, Application US/10209787
; Publication No. US20030217377A1
; GENERAL INFORMATION:
;  APPLICANT: Kmiec, Eric B.
;  APPLICANT:  Gamper, Howard B.
;  APPLICANT:  Rice, Michael C.
;  TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
;  TITLE OF INVENTION:  Stranded Oligonucleotides
;  FILE REFERENCE: Napro-4
;  CURRENT APPLICATION NUMBER: US/10/209,787
;  CURRENT FILING DATE:  2002-07-30
;  PRIOR APPLICATION NUMBER: US 09/818,875
;  PRIOR FILING DATE: 2001-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,176
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,179
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/208,538
;  PRIOR FILING DATE: 2000-06-01
;  PRIOR APPLICATION NUMBER: US 60/244,989
;  PRIOR FILING DATE: 2000-10-30
;  NUMBER OF SEQ ID NOS: 4385
;  SOFTWARE: Friedman macro Napro4
; SEQ ID NO 3055
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-209-787-3055

  Query Match             1.0%;  Score 12.4;  DB 1;  Length 17;
  Best Local Similarity   92.9%;  Pred. No. 4.2e+02;
```

```
 Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        533 TTCAGTAAACAATG 546
              ||||||| ||||||
Db         14 TTCAGTACACAATG 1


ESULT 330
S-10-060-756A-1669/c
 Sequence 1669, Application US/10060756A
 Publication No. US20030046717A1
 GENERAL INFORMATION:
  APPLICANT: Zhang, Jian
  TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN
  FILE REFERENCE: PB0177
  CURRENT APPLICATION NUMBER: US/10/060,756A
  CURRENT FILING DATE:  2002-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00667
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00664
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00669
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00665
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00668
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00663
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: US 09/864,761
  PRIOR FILING DATE: 2001-05-23
  PRIOR APPLICATION NUMBER: US 60/327,898
  PRIOR FILING DATE: 2001-10-09
  NUMBER OF SEQ ID NOS: 4804
  SOFTWARE: Aeomica Sequence Listing Engine
 SEQ ID NO 1669
   LENGTH: 17
   TYPE: DNA
   ORGANISM: Homo sapiens
S-10-060-756A-1669

  Query Match             1.0%;  Score 12.4;  DB 1;  Length 17;
  Best Local Similarity   92.9%;  Pred. No. 4.2e+02;
  Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        678 ACAAATAGCAAAAT 691
              | |||||||||||||
Db         17 AAAAATAGCAAAAT 4


ESULT 331
JS-10-060-756A-1675/c
; Sequence 1675, Application US/10060756A
; Publication No. US20030046717A1
; GENERAL INFORMATION:
;  APPLICANT: Zhang, Jian
;  TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN
;  FILE REFERENCE: PB0177
;  CURRENT APPLICATION NUMBER: US/10/060,756A
;  CURRENT FILING DATE:  2002-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 09/864,761
;  PRIOR FILING DATE: 2001-05-23
;  PRIOR APPLICATION NUMBER: US 60/327,898
;  PRIOR FILING DATE: 2001-10-09
;  NUMBER OF SEQ ID NOS: 4804
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 1675
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-060-756A-1675

  Query Match             1.0%;  Score 12.4;  DB 1;  Length 17;
  Best Local Similarity   92.9%;  Pred. No. 4.2e+02;
  Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        675 TATACAAATAGCAA 688
              |||| |||||||||
Db         14 TATAAAAATAGCAA 1


RESULT 332
US-10-060-756A-1927/c
; Sequence 1927, Application US/10060756A
; Publication No. US20030046717A1
; GENERAL INFORMATION:
;  APPLICANT: Zhang, Jian
;  TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN
;  FILE REFERENCE: PB0177
;  CURRENT APPLICATION NUMBER: US/10/060,756A
;  CURRENT FILING DATE:  2002-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 09/864,761
;  PRIOR FILING DATE: 2001-05-23
;  PRIOR APPLICATION NUMBER: US 60/327,898
;  PRIOR FILING DATE: 2001-10-09
;  NUMBER OF SEQ ID NOS: 4804
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 1927
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-060-756A-1927

  Query Match             1.0%;  Score 12.4;  DB 1;  Length 17;
  Best Local Similarity   92.9%;  Pred. No. 4.2e+02;
  Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1459 TTATTATGTACAAA 1472
              |||| |||||||||
Db         17 TTATGATGTACAAA 4


RESULT 333
US-10-060-756A-1928/c
; Sequence 1928, Application US/10060756A
; Publication No. US20030046717A1
; GENERAL INFORMATION:
;  APPLICANT: Zhang, Jian
;  TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN
;  FILE REFERENCE: PB0177
;  CURRENT APPLICATION NUMBER: US/10/060,756A
;  CURRENT FILING DATE:  2002-01-30
```

```
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 09/864,761
;  PRIOR FILING DATE: 2001-05-23
;  PRIOR APPLICATION NUMBER: US 60/327,898
;  PRIOR FILING DATE: 2001-10-09
;  NUMBER OF SEQ ID NOS: 4804
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 1928
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-060-756A-1928

  Query Match             1.0%;  Score 12.4;  DB 1;  Length 17;
  Best Local Similarity   92.9%;  Pred. No. 4.2e+02;
  Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1459 TTATTATGTACAAA 1472
              |||| |||||||||
Db         16 TTATGATGTACAAA 3


RESULT 334
US-10-156-306-468
; Sequence 468, Application US/10156306
; Publication No. US20030119017A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, James
;  TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
;  TITLE OF INVENTION:  Levels of IKK-Gamma and PKR
;  FILE REFERENCE: MBHB01-664-A (400/050)
;  CURRENT APPLICATION NUMBER: US/10/156,306
;  CURRENT FILING DATE:  2002-05-28
;  NUMBER OF SEQ ID NOS: 8013
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 468
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-10-156-306-468

  Query Match             1.0%;  Score 12.4;  DB 1;  Length 17;
  Best Local Similarity   28.6%;  Pred. No. 4.2e+02;
  Matches    4;  Conservative    9;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1262 TAATTTTTTAGTAT 1275
              :||:::::| :|:
Db          4 UAAUUUUUUACUAU 17


RESULT 335
US-10-156-306-469
; Sequence 469, Application US/10156306
; Publication No. US20030119017A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, James
;  TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
;  TITLE OF INVENTION:  Levels of IKK-Gamma and PKR
;  FILE REFERENCE: MBHB01-664-A (400/050)
;  CURRENT APPLICATION NUMBER: US/10/156,306
;  CURRENT FILING DATE:  2002-05-28
;  NUMBER OF SEQ ID NOS: 8013
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 469
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-10-156-306-469

  Query Match             1.0%;  Score 12.4;  DB 1;  Length 17;
  Best Local Similarity   28.6%;  Pred. No. 4.2e+02;
  Matches    4;  Conservative    9;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1262 TAATTTTTTAGTAT 1275
              :||:::::| :|:
Db          3 UAAUUUUUUACUAU 16


RESULT 336
US-10-156-306-470
; Sequence 470, Application US/10156306
; Publication No. US20030119017A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, James
;  TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relat
;  TITLE OF INVENTION:  Levels of IKK-Gamma and PKR
;  FILE REFERENCE: MBHB01-664-A (400/050)
;  CURRENT APPLICATION NUMBER: US/10/156,306
;  CURRENT FILING DATE:  2002-05-28
;  NUMBER OF SEQ ID NOS: 8013
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 470
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-10-156-306-470

  Query Match             1.0%;  Score 12.4;  DB 1;  Length 17;
  Best Local Similarity   28.6%;  Pred. No. 4.2e+02;
  Matches    4;  Conservative    9;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1262 TAATTTTTTAGTAT 1275
              :||:::::| :|:
Db          2 UAAUUUUUUACUAU 15


RESULT 337
US-10-156-306-471
; Sequence 471, Application US/10156306
; Publication No. US20030119017A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, James
;  TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relat
;  TITLE OF INVENTION:  Levels of IKK-Gamma and PKR
;  FILE REFERENCE: MBHB01-664-A (400/050)
;  CURRENT APPLICATION NUMBER: US/10/156,306
;  CURRENT FILING DATE:  2002-05-28
;  NUMBER OF SEQ ID NOS: 8013
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 471
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-10-156-306-471

  Query Match             1.0%;  Score 12.4;  DB 1;  Length 17;
  Best Local Similarity   28.6%;  Pred. No. 4.2e+02;
  Matches    4;  Conservative    9;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1262 TAATTTTTTAGTAT 1275
              :||:::::| :|:
```

```
Db          1 UAAUUUUUUACUAU 14


RESULT 338
S-10-156-306-7039
 Sequence 7039, Application US/10156306
 Publication No. US20030119017A1
 GENERAL INFORMATION:
  APPLICANT: Ribozyme Pharmaceuticals, Inc.
  APPLICANT:  McSwiggen, James
  TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
  TITLE OF INVENTION:  Levels of IKK-Gamma and PKR
  FILE REFERENCE: MBHB01-664-A (400/050)
  CURRENT APPLICATION NUMBER: US/10/156,306
  CURRENT FILING DATE:  2002-05-28
  NUMBER OF SEQ ID NOS: 8013
  SOFTWARE: PatentIn version 3.0
 SEQ ID NO 7039
   LENGTH: 17
   TYPE: RNA
   ORGANISM: Homo sapiens
S-10-156-306-7039

 Query Match              1.0%;  Score 12.4;  DB 1;  Length 17;
 Best Local Similarity   85.7%;  Pred. No. 4.2e+02;
 Matches   12;  Conservative    1;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        970 GGACATGTGGAAGC 983
              ||||||:| ||||||
Db          1 GGACAUGAGGAAGC 14


RESULT 339
US-09-263-959-781
 Sequence 781, Application US/09263959
 Patent No. US20020150891A1
 GENERAL INFORMATION:
    APPLICANT:  Hood, Leroy E.
    APPLICANT:  Rowen, Lee
    APPLICANT:  Koop, Ben F.
    TITLE OF INVENTION:  DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH UTI
    NUMBER OF SEQUENCES:  1279
    CORRESPONDENCE ADDRESS:
      ADDRESSEE:  Seed and Berry LLP
      STREET:  6300 Columbia Center, 701 Fifth Avenue
      CITY:  Seattle
      STATE:  Washington
      COUNTRY:  US
      ZIP:  98104-7092
    COMPUTER READABLE FORM:
      MEDIUM TYPE:  Floppy disk
      COMPUTER:  IBM PC compatible
      OPERATING SYSTEM:  PC-DOS/MS-DOS
      SOFTWARE:  PatentIn Release #1.0, Version #1.25
    CURRENT APPLICATION DATA:
      APPLICATION NUMBER:  US/09/263,959
      FILING DATE:  05-MAR-1999
      CLASSIFICATION:
    ATTORNEY/AGENT INFORMATION:
      NAME:  McMasters, David D.
      REGISTRATION NUMBER:  33,963
      REFERENCE/DOCKET NUMBER:  920010.426C2
    TELECOMMUNICATION INFORMATION:
      TELEPHONE:  (206) 622-4900
      TELEFAX:  (206) 682-6031
  INFORMATION FOR SEQ ID NO:  781:
    SEQUENCE CHARACTERISTICS:
      LENGTH:  22 base pairs
      TYPE:  nucleic acid
      STRANDEDNESS:  single
      TOPOLOGY:  linear
US-09-263-959-781

 Query Match              1.0%;  Score 12.4;  DB 1;  Length 22;
 Best Local Similarity   72.7%;  Pred. No. 5e+02;
 Matches   16;  Conservative    0;  Mismatches    6;  Indels    0;  Gaps    0;

Qy       1590 AAATATAAAAGTAAATATGAAA 1611
              ||||| | || |||| |  |||
Db          1 AAATAAATAAATAAAAAATAAA 22


RESULT 340
US-09-730-289B-126
; Sequence 126, Application US/09730289B
; Publication No. US20030050259A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Blatt, Larry
;  APPLICANT:  McSwiggen, Jim
;  TITLE OF INVENTION: Method and Reagent for Treatment of Cardiac Disease
;  FILE REFERENCE: MBHB00-864-A (400/006)
;  CURRENT APPLICATION NUMBER: US/09/730,289B
;  CURRENT FILING DATE:  2000-12-05
;  PRIOR APPLICATION NUMBER: US 60/169,100
;  PRIOR FILING DATE: 1999-12-06
;  NUMBER OF SEQ ID NOS: 3897
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 126
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-730-289B-126

  Query Match              1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   35.3%;  Pred. No. 4.5e+02;
  Matches    6;  Conservative    8;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        720 CTTTAATTTCAGGAATT 736
              |:::| :::||  ||::
Db          1 CUUUAUUUUCAAAAAUU 17


RESULT 341
US-09-730-289B-178
; Sequence 178, Application US/09730289B
; Publication No. US20030050259A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Blatt, Larry
;  APPLICANT:  McSwiggen, Jim
;  TITLE OF INVENTION: Method and Reagent for Treatment of Cardiac Disease
;  FILE REFERENCE: MBHB00-864-A (400/006)
;  CURRENT APPLICATION NUMBER: US/09/730,289B
;  CURRENT FILING DATE:  2000-12-05
;  PRIOR APPLICATION NUMBER: US 60/169,100
;  PRIOR FILING DATE: 1999-12-06
;  NUMBER OF SEQ ID NOS: 3897
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 178
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-730-289B-178

  Query Match              1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   47.1%;  Pred. No. 4.5e+02;
  Matches    8;  Conservative    6;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1484 AATATTATTTAAATGAC 1500
              ||:|: |:::| |: ||
Db          1 AAUAUAAUUUAUAUUAC 17


RESULT 342
US-10-156-306-460/c
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; Sequence 460, Application US/10156306
; Publication No. US20030119017A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
; TITLE OF INVENTION: Levels of IKK-Gamma and PKR
; FILE REFERENCE: MBHB01-664-A (400/050)
; CURRENT APPLICATION NUMBER: US/10/156,306
; CURRENT FILING DATE: 2002-05-28
; NUMBER OF SEQ ID NOS: 8013
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 460
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-156-306-460

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.5e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1588 GGAAATATAAAAGTAAA 1604
||||| || ||| ||||
Db 17 GGAAACATTAAAATAAA 1

RESULT 343
US-09-768-436-9/c
; Sequence 9, Application US/09768436
; Patent No. US20020006639A1
; GENERAL INFORMATION:
; APPLICANT: Paul Andrew Whittaker et al
; TITLE OF INVENTION: Disease-Associated Gene
; FILE REFERENCE: Case No. US20020006639A1 4-31306A/HO 25
; CURRENT APPLICATION NUMBER: US/09/768,436
; CURRENT FILING DATE: 2001-01-24
; NUMBER OF SEQ ID NOS: 70
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 9
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-768-436-9

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.5e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 862 TCTGCTAGCCAGGATCC 878
||||| | || ||||||
Db 17 TCTGCGAACCCGGATCC 1

RESULT 344
US-09-866-108-387/c
; Sequence 387, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 60/266,860
; PRIOR FILING DATE: 2001-02-05
; NUMBER OF SEQ ID NOS: 15752
; SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 387
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-387

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.5e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 487 TGTAGGGTTGCCAGATG 503
||| |||||| | ||||
Db 17 TGTTGGGTTGGCTGATG 1

RESULT 345
US-09-866-108-849/c
; Sequence 849, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669

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;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00662
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00661
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00670
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 60/234,687
;  PRIOR FILING DATE: 2000-09-21
;  PRIOR APPLICATION NUMBER: US 60/266,860
;  PRIOR FILING DATE: 2001-02-05
;  NUMBER OF SEQ ID NOS: 15752
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 849
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
IS-09-866-108-849

  Query Match              1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 4.5e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        889 GTTCCACTGTGCCTTGG 905
              || |||| || ||||||
Db         17 GTGCCACAGTTCCTTGG 1


RESULT 346
IS-09-866-108-6770
 Sequence 6770, Application US/09866108
 Patent No. US20020048800A1
 GENERAL INFORMATION:
  APPLICANT: GU, Yizhong
  APPLICANT:  JI, Yonggang
  APPLICANT:  PENN, Sharron G.
  APPLICANT:  HANZEL, David K.
  APPLICANT:  RANK, David R.
  APPLICANT:  CHEN, Wensheng
  APPLICANT:  SHANNON, Mark
  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
  FILE REFERENCE: AEOMICA-7
  CURRENT APPLICATION NUMBER: US/09/866,108
  CURRENT FILING DATE:  2001-05-25
  PRIOR APPLICATION NUMBER: US 60/207,456
  PRIOR FILING DATE: 2000-05-26
  PRIOR APPLICATION NUMBER: GB 24263.6
  PRIOR FILING DATE: 2000-10-04
  PRIOR APPLICATION NUMBER: US 60/236,359
  PRIOR FILING DATE: 2000-09-27
  PRIOR APPLICATION NUMBER: PCT/US01/00666
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00667
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00664
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00669
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00665
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00668
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00663
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00662
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00661
```

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;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00670
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 60/234,687
;  PRIOR FILING DATE: 2000-09-21
;  PRIOR APPLICATION NUMBER: US 60/266,860
;  PRIOR FILING DATE: 2001-02-05
;  NUMBER OF SEQ ID NOS: 15752
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 6770
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-866-108-6770

  Query Match              1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 4.5e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        819 CTGGAAATCCTGGATTT 835
              ||||| | |||||||  |
Db          1 CTGGAGACCCTGGATCT 17


RESULT 347
US-09-866-108-7125
; Sequence 7125, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00662
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00661
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00670
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 60/234,687
;  PRIOR FILING DATE: 2000-09-21
;  PRIOR APPLICATION NUMBER: US 60/266,860
;  PRIOR FILING DATE: 2001-02-05
;  NUMBER OF SEQ ID NOS: 15752
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 7125
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;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
JS-09-866-108-7125

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 4.5e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        415 AAGAATCAGTGAAGATG 431
              || |||||| |||| ||
Db          1 AAAAATCAGAGAAGTTG 17


RESULT 348
JS-09-866-108-7126
; Sequence 7126, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00662
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00661
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00670
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 60/234,687
;  PRIOR FILING DATE: 2000-09-21
;  PRIOR APPLICATION NUMBER: US 60/266,860
;  PRIOR FILING DATE: 2001-02-05
;  NUMBER OF SEQ ID NOS: 15752
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 7126
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-866-108-7126

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 4.5e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        416 AGAATCAGTGAAGATGC 432
              | |||||| |||| |||
Db          1 AAAATCAGAGAAGTTGC 17


RESULT 349
US-09-866-108-9904/c
; Sequence 9904, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00662
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00661
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00670
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 60/234,687
;  PRIOR FILING DATE: 2000-09-21
;  PRIOR APPLICATION NUMBER: US 60/266,860
;  PRIOR FILING DATE: 2001-02-05
;  NUMBER OF SEQ ID NOS: 15752
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 9904
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-866-108-9904

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 4.5e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        730 AGGAATTGAATGGGTTT 746
              ||||| ||||| || ||
Db         17 AGGAACTGAATTGGGTT 1


RESULT 350
US-09-866-108-9905/c
; Sequence 9905, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
```

```
  APPLICANT:  JI, Yonggang
  APPLICANT:  PENN, Sharron G.
  APPLICANT:  HANZEL, David K.
  APPLICANT:  RANK, David R.
  APPLICANT:  CHEN, Wensheng
  APPLICANT:  SHANNON, Mark
  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
  FILE REFERENCE: AEOMICA-7
  CURRENT APPLICATION NUMBER: US/09/866,108
  CURRENT FILING DATE:  2001-05-25
  PRIOR APPLICATION NUMBER: US 60/207,456
  PRIOR FILING DATE: 2000-05-26
  PRIOR APPLICATION NUMBER: GB 24263.6
  PRIOR FILING DATE: 2000-10-04
  PRIOR APPLICATION NUMBER: US 60/236,359
  PRIOR FILING DATE: 2000-09-27
  PRIOR APPLICATION NUMBER: PCT/US01/00666
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00667
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00664
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00669
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00665
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00668
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00663
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00662
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00661
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: PCT/US01/00670
  PRIOR FILING DATE: 2001-01-30
  PRIOR APPLICATION NUMBER: US 60/234,687
  PRIOR FILING DATE: 2000-09-21
  PRIOR APPLICATION NUMBER: US 60/266,860
  PRIOR FILING DATE: 2001-02-05
  NUMBER OF SEQ ID NOS: 15752
  SOFTWARE: Aeomica Sequence Listing Engine
SEQ ID NO 9905
  LENGTH: 17
  TYPE: DNA
  ORGANISM: Homo sapiens
S-09-866-108-9905

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 4.5e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        729 CAGGAATTGAATGGGTT 745
              ||||| ||||| || |
Db         17 CAGGAACTGAATTGGGT 1


RESULT 351
JS-09-866-108-10443/c
; Sequence 10443, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00662
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00661
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00670
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 60/234,687
;  PRIOR FILING DATE: 2000-09-21
;  PRIOR APPLICATION NUMBER: US 60/266,860
;  PRIOR FILING DATE: 2001-02-05
;  NUMBER OF SEQ ID NOS: 15752
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 10443
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-866-108-10443

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 4.5e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        512 GATTCCTGGTTAAATTT 528
              |||||||||| | |||
Db         17 GATTCCTGGTCGACTTT 1


RESULT 352
US-09-263-959-546
; Sequence 546, Application US/09263959
; Patent No. US20020150891A1
;  GENERAL INFORMATION:
;    APPLICANT:  Hood, Leroy E.
;    APPLICANT:  Rowen, Lee
;    APPLICANT:  Koop, Ben F.
;    TITLE OF INVENTION:  DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH UTI
;    NUMBER OF SEQUENCES:  1279
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Seed and Berry LLP
;      STREET:  6300 Columbia Center, 701 Fifth Avenue
;      CITY:  Seattle
;      STATE:  Washington
;      COUNTRY:  US
;      ZIP:  98104-7092
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/263,959
;      FILING DATE:  05-MAR-1999
;      CLASSIFICATION:
```

```
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  McMasters, David D.
;      REGISTRATION NUMBER:  33,963
;      REFERENCE/DOCKET NUMBER:  920010.426C2
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (206) 622-4900
;      TELEFAX:  (206) 682-6031
;  INFORMATION FOR SEQ ID NO:  546:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
JS-09-263-959-546

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 4.5e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1046 ATTTATGTATTTATTTA 1062
              || ||||||| ||| ||
Db          1 ATGTATGTATATATGTA 17


RESULT 353
JS-09-879-959-6
; Sequence 6, Application US/09879959
; Patent No. US20020160489A1
; GENERAL INFORMATION:
;  APPLICANT: Weigel, Paul H
;  APPLICANT:  Kumari, Kshama
;  APPLICANT:  DeAngelis, Paul
;  TITLE OF INVENTION: STREPTOCOCCUS EQUISIMILIS HYALURONAN SYNTHASE GENE AND EXPRESSION
;  TITLE OF INVENTION:  IN BACILLUS SUBTILIS
;  FILE REFERENCE: 3554.049
;  CURRENT APPLICATION NUMBER: US/09/879,959
;  CURRENT FILING DATE:  2001-09-12
;  PRIOR APPLICATION NUMBER: 09/469,200
;  PRIOR FILING DATE: 1999-12-21
;  PRIOR APPLICATION NUMBER: 09/178,851
;  PRIOR FILING DATE: 1998-10-26
;  NUMBER OF SEQ ID NOS: 10
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Streptococcus equisimilis
JS-09-879-959-6

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 4.5e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1544 TTTTTATGTGCTCTCCA 1560
              |||||| ||| || |||
Db          1 TTTTTACGTGTTCCCCA 17


RESULT 354
JS-09-949-317-15
; Sequence 15, Application US/09949317
; Patent No. US20020164803A1
; GENERAL INFORMATION:
;  APPLICANT: LINDBO, John A.
;  APPLICANT:  POGUE, Gregory P.
;  APPLICANT:  TURPEN, Thomas H.
;  TITLE OF INVENTION: RNA TRANSFORMATION VECTORS DERIVED FROM
;  TITLE OF INVENTION:  AN UNCAPPED SINGLE-COMPONENT RNA VIRUS
;  FILE REFERENCE: 008010137US13
;  CURRENT APPLICATION NUMBER: US/09/949,317
;  CURRENT FILING DATE:  2001-09-07
;  PRIOR APPLICATION NUMBER: 09/502,710
;  PRIOR FILING DATE: 2000-02-11
;  PRIOR APPLICATION NUMBER: 09/359,301
;  PRIOR FILING DATE: 1999-07-21
;  PRIOR APPLICATION NUMBER: 09/359,305
;  PRIOR FILING DATE: 1999-07-21
;  PRIOR APPLICATION NUMBER: 09/232,170
;  PRIOR FILING DATE: 1999-01-15
;  PRIOR APPLICATION NUMBER: 09/008,186
;  PRIOR FILING DATE: 1998-01-16
;  NUMBER OF SEQ ID NOS: 27
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 15
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Tobacco mosaic virus
US-09-949-317-15

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 4.5e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1134 TATAGTAAATTTATTTT 1150
              ||||||| | ||||||
Db          1 TATAGTATTTGTATTTT 17


RESULT 355
US-09-949-316-15
; Sequence 15, Application US/09949316
; Patent No. US20020168769A1
; GENERAL INFORMATION:
;  APPLICANT: LINDBO, John A.
;  APPLICANT:  POGUE, Gregory P.
;  APPLICANT:  TURPEN, Thomas H.
;  TITLE OF INVENTION: RNA TRANSFORMATION VECTORS DERIVED FROM
;  TITLE OF INVENTION:  A SINGLE-COMPONENT RNA VIRUS AND CONTAIN AN INTERVENING
;  TITLE OF INVENTION:  SEQUENCE BETWEEN THE CAP AND 5' END
;  FILE REFERENCE: 008010137US15
;  CURRENT APPLICATION NUMBER: US/09/949,316
;  CURRENT FILING DATE:  2001-09-07
;  PRIOR APPLICATION NUMBER: 09/502,711
;  PRIOR FILING DATE: 2000-02-11
;  PRIOR APPLICATION NUMBER: 09/359,301
;  PRIOR FILING DATE: 1999-07-21
;  PRIOR APPLICATION NUMBER: 09/359,305
;  PRIOR FILING DATE: 1999-07-21
;  PRIOR APPLICATION NUMBER: 09/232,170
;  PRIOR FILING DATE: 1999-01-15
;  PRIOR APPLICATION NUMBER: 09/008,186
;  PRIOR FILING DATE: 1998-01-16
;  NUMBER OF SEQ ID NOS: 27
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 15
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Tobacco mosaic virus
US-09-949-316-15

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 4.5e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1134 TATAGTAAATTTATTTT 1150
              ||||||| | ||||||
Db          1 TATAGTATTTGTATTTT 17


RESULT 356
US-09-872-462-83/c
; Sequence 83, Application US/09872462
; Patent No. US20020169295A1
; GENERAL INFORMATION:
;  APPLICANT: Gu, Yizhong
;  APPLICANT:  Corrigan, Amy
```

TITLE OF INVENTION: HUMAN NEDD1
FILE REFERENCE: AEOMICA-9
CURRENT APPLICATION NUMBER: US/09/872,462
CURRENT FILING DATE: 2001-06-01
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/US01/00661
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00662
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00670
PRIOR FILING DATE: 2001-01-30
NUMBER OF SEQ ID NOS: 473
SOFTWARE: Aeomica Sequence Listing Engine
SEQ ID NO 83
LENGTH: 17
TYPE: DNA
ORGANISM: Homo sapiens
3-09-872-462-83

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.5e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1095 ATAGAAGATGAATCATT 1111
|||||||||||| || ||
Db 17 ATAGAGGATGATTCTTT 1

RESULT 357
3-09-872-462-205
Sequence 205, Application US/09872462
Patent No. US20020169295A1
GENERAL INFORMATION:
APPLICANT: Gu, Yizhong
APPLICANT: Corrigan, Amy
TITLE OF INVENTION: HUMAN NEDD1
FILE REFERENCE: AEOMICA-9
CURRENT APPLICATION NUMBER: US/09/872,462
CURRENT FILING DATE: 2001-06-01
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/US01/00661
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00662
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00670
PRIOR FILING DATE: 2001-01-30
NUMBER OF SEQ ID NOS: 473
SOFTWARE: Aeomica Sequence Listing Engine
SEQ ID NO 205
LENGTH: 17
TYPE: DNA
ORGANISM: Homo sapiens
US-09-872-462-205

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.5e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 668 GGGAGAATATACAAATA 684
|||| |||||| ||||
Db 1 GGGAAAATATATCAATA 17

RESULT 358
US-09-864-785-243
Sequence 243, Application US/09864785
Patent No. US20020177568A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Stinchcomb, Dan
APPLICANT: Draper, Ken
APPLICANT: McSwiggen, Jim
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
TITLE OF INVENTION: Levels of NF-Kappa B
FILE REFERENCE: 400/022 (MBHB00-812-D)
CURRENT APPLICATION NUMBER: US/09/864,785
CURRENT FILING DATE: 2001-05-23
NUMBER OF SEQ ID NOS: 3929
SOFTWARE: PatentIn version 3.0
SEQ ID NO 243
LENGTH: 17
TYPE: RNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid
US-09-864-785-243

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 70.6%; Pred. No. 4.5e+02;
Matches 12; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

Qy 1596 AAAAGTAAATATGAAAC 1612
||||| | |:|:|| ||
Db 1 AAAAGGACAUAUGAGAC 17

RESULT 359
US-09-864-785-2964
Sequence 2964, Application US/09864785
Patent No. US20020177568A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Stinchcomb, Dan
APPLICANT: Draper, Ken
APPLICANT: McSwiggen, Jim
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
TITLE OF INVENTION: Levels of NF-Kappa B
FILE REFERENCE: 400/022 (MBHB00-812-D)
CURRENT APPLICATION NUMBER: US/09/864,785
CURRENT FILING DATE: 2001-05-23
NUMBER OF SEQ ID NOS: 3929
SOFTWARE: PatentIn version 3.0
SEQ ID NO 2964
LENGTH: 17
TYPE: RNA
ORGANISM: Artificial Sequence

```
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  Nucleic Acid
US-09-864-785-2964

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   70.6%;  Pred. No. 4.5e+02;
  Matches   12;  Conservative    2;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        866 CTAGCCAGGATCCACAA 882
              |:  ||||||:||| ||
Db          1 CUCUCCAGGAUCCAGAA 17


RESULT 360
US-09-825-805-534
; Sequence 534, Application US/09825805
; Publication No. US20030004122A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Beigelman, Leo
;  APPLICANT:  Beaudry, Amber
;  APPLICANT:  Karpeisky, Alex
;  APPLICANT:  Adamic, Jasenka Matulic
;  APPLICANT:  Sweedler, Dave
;  APPLICANT:  Zinnen, Shawn
;  TITLE OF INVENTION: Nucleotide Triphosphate and their Incorporation into Oligonucleot
;  FILE REFERENCE: MBHB00-831-F (400/009)
;  CURRENT APPLICATION NUMBER: US/09/825,805
;  CURRENT FILING DATE:  2001-09-27
;  PRIOR APPLICATION NUMBER: 09/578,223
;  PRIOR FILING DATE: 2000-05-23
;  PRIOR APPLICATION NUMBER: 09/476,387
;  PRIOR FILING DATE: 1999-12-30
;  PRIOR APPLICATION NUMBER: 09/474,432
;  PRIOR FILING DATE: 1999-12-29
;  PRIOR APPLICATION NUMBER: 09/301,511
;  PRIOR FILING DATE: 1999-04-28
;  PRIOR APPLICATION NUMBER: 09/186,675
;  PRIOR FILING DATE: 1998-11-04
;  PRIOR APPLICATION NUMBER: 60/083,727
;  PRIOR FILING DATE: 1998-04-29
;  PRIOR APPLICATION NUMBER: 60/064,866
;  PRIOR FILING DATE: 1997-11-05
;  NUMBER OF SEQ ID NOS: 1558
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 534
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-825-805-534

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   47.1%;  Pred. No. 4.5e+02;
  Matches    8;  Conservative    6;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1363 AGTGCTGTGTTGAATTA 1379
              ||:|  :|:|:  ||  ::|
Db          1 AGUGAUGUGUGGAGUUA 17


RESULT 361
US-09-961-077-792/c
; Sequence 792, Application US/09961077
; Publication No. US20030014775A1
;   GENERAL INFORMATION:
;        APPLICANT: Zwick, Michael G.
;                   Edington, Brent E.
;                   McSwiggen, James A.
;                   Merlo, Patricia Ann Owens
;                   Guo, Lining
;                   Skokut, Thomas A.
;                   Young, Scott A.
;                   Folkerts, Otto
;                   Merlo, Donald J.
;        TITLE OF INVENTION: COMPOSITION AND METHODS FOR
;                            MODULATION OF GENE EXPRESSION
;                            IN PLANTS
;        NUMBER OF SEQUENCES: 1263
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Lyon & Lyon
;             STREET: 633 West Fifth Street
;                     Suite 4700
;             CITY: Los Angeles
;             STATE: California
;             COUNTRY: U.S.A.
;             ZIP: 90071-2066
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
;                          storage
;             COMPUTER: IBM Compatible
;             OPERATING SYSTEM: IBM P.C. DOS 5.0
;             SOFTWARE: Word Perfect 5.1
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/961,077
;             FILING DATE: 21-Sep-2001
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: 08/679,645
;             FILING DATE: July 12, 1996
;             APPLICATION NUMBER: 60/001,135
;             FILING DATE: July 13, 1995
;             APPLICATION NUMBER: 08/300,726
;             FILING DATE: September 2, 1994
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Warburg, Richard J.
;             REGISTRATION NUMBER: 32,327
;             REFERENCE/DOCKET NUMBER: 219/247
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: (213) 489-1600
;             TELEFAX: (213) 955-0440
;             TELEX: 67-3510
;   INFORMATION FOR SEQ ID NO: 792:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 17 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        SEQUENCE DESCRIPTION: SEQ ID NO: 792:
US-09-961-077-792

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 4.5e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        640 AATATAAGGATTTTCCT 656
              || |||||||||| | ||
Db         17 AAGATAAGGATTATTCT 1


RESULT 362
US-09-730-289B-164
; Sequence 164, Application US/09730289B
; Publication No. US20030050259A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Blatt, Larry
;  APPLICANT:  McSwiggen, Jim
;  TITLE OF INVENTION: Method and Reagent for Treatment of Cardiac Disease
;  FILE REFERENCE: MBHB00-864-A (400/006)
;  CURRENT APPLICATION NUMBER: US/09/730,289B
;  CURRENT FILING DATE:  2000-12-05
;  PRIOR APPLICATION NUMBER: US 60/169,100
;  PRIOR FILING DATE: 1999-12-06
;  NUMBER OF SEQ ID NOS: 3897
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 164
```

LENGTH: 17
TYPE: RNA
ORGANISM: Homo sapiens
S-09-730-289B-164

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 47.1%; Pred. No. 4.5e+02;
Matches 8; Conservative 6; Mismatches 3; Indels 0; Gaps 0;

Qy 586 TTATATGTAAAGTATTA 602
: |:|: :|||| |::|
Db 1 UCAUAUAUAAAGCAUUA 17

ESULT 363
S-09-730-289B-181/c
Sequence 181, Application US/09730289B
Publication No. US20030050259A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Blatt, Larry
APPLICANT: McSwiggen, Jim
TITLE OF INVENTION: Method and Reagent for Treatment of Cardiac Disease
FILE REFERENCE: MBHB00-864-A (400/006)
CURRENT APPLICATION NUMBER: US/09/730,289B
CURRENT FILING DATE: 2000-12-05
PRIOR APPLICATION NUMBER: US 60/169,100
PRIOR FILING DATE: 1999-12-06
NUMBER OF SEQ ID NOS: 3897
SOFTWARE: PatentIn version 3.0
SEQ ID NO 181
LENGTH: 17
TYPE: RNA
ORGANISM: Homo sapiens
S-09-730-289B-181

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.5e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 998 CATCATAACATAAATTA 1014
||| ||| ||||||||
Db 17 CATTGTAATATAAATTA 1

ESULT 364
S-09-730-289B-223/c
Sequence 223, Application US/09730289B
Publication No. US20030050259A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Blatt, Larry
APPLICANT: McSwiggen, Jim
TITLE OF INVENTION: Method and Reagent for Treatment of Cardiac Disease
FILE REFERENCE: MBHB00-864-A (400/006)
CURRENT APPLICATION NUMBER: US/09/730,289B
CURRENT FILING DATE: 2000-12-05
PRIOR APPLICATION NUMBER: US 60/169,100
PRIOR FILING DATE: 1999-12-06
NUMBER OF SEQ ID NOS: 3897
SOFTWARE: PatentIn version 3.0
SEQ ID NO 223
LENGTH: 17
TYPE: RNA
ORGANISM: Homo sapiens
S-09-730-289B-223

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.5e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1254 ACAACAAATAATTTTTT 1270
|| |||||||| || |||
Db 17 ACTACAAATAGTTCTTT 1

RESULT 365
US-09-730-289B-235/c
; Sequence 235, Application US/09730289B
; Publication No. US20030050259A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for Treatment of Cardiac Disease
; FILE REFERENCE: MBHB00-864-A (400/006)
; CURRENT APPLICATION NUMBER: US/09/730,289B
; CURRENT FILING DATE: 2000-12-05
; PRIOR APPLICATION NUMBER: US 60/169,100
; PRIOR FILING DATE: 1999-12-06
; NUMBER OF SEQ ID NOS: 3897
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 235
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-730-289B-235

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.5e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 391 AAAAATTCATTCTCTGT 407
|||||| || | |||||
Db 17 AAAAATACAATTTCTGT 1

RESULT 366
US-09-730-289B-282/c
; Sequence 282, Application US/09730289B
; Publication No. US20030050259A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for Treatment of Cardiac Disease
; FILE REFERENCE: MBHB00-864-A (400/006)
; CURRENT APPLICATION NUMBER: US/09/730,289B
; CURRENT FILING DATE: 2000-12-05
; PRIOR APPLICATION NUMBER: US 60/169,100
; PRIOR FILING DATE: 1999-12-06
; NUMBER OF SEQ ID NOS: 3897
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 282
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-730-289B-282

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.5e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1034 AACCTATTTATTATTTA 1050
||| |||||| |||||
Db 17 AACAGATTTATGATTTA 1

RESULT 367
US-09-730-289B-296/c
; Sequence 296, Application US/09730289B
; Publication No. US20030050259A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim

; TITLE OF INVENTION: Method and Reagent for Treatment of Cardiac Disease
; FILE REFERENCE: MBHB00-864-A (400/006)
; CURRENT APPLICATION NUMBER: US/09/730,289B
; CURRENT FILING DATE: 2000-12-05
; PRIOR APPLICATION NUMBER: US 60/169,100
; PRIOR FILING DATE: 1999-12-06
; NUMBER OF SEQ ID NOS: 3897
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 296
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-730-289B-296

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.5e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1485 ATATTATTTAAATGACT 1501
||||||| | | |||||||
Db 17 ATATTAGTGATATGACT 1

RESULT 368
US-09-730-289B-581/c
; Sequence 581, Application US/09730289B
; Publication No. US20030050259A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for Treatment of Cardiac Disease
; FILE REFERENCE: MBHB00-864-A (400/006)
; CURRENT APPLICATION NUMBER: US/09/730,289B
; CURRENT FILING DATE: 2000-12-05
; PRIOR APPLICATION NUMBER: US 60/169,100
; PRIOR FILING DATE: 1999-12-06
; NUMBER OF SEQ ID NOS: 3897
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 581
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-730-289B-581

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.5e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1520 CTTTATATTTTAACTT 1536
||||||| | |||||
Db 17 CTTTATATAGTGAACTT 1

RESULT 369
US-09-730-289B-616/c
; Sequence 616, Application US/09730289B
; Publication No. US20030050259A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for Treatment of Cardiac Disease
; FILE REFERENCE: MBHB00-864-A (400/006)
; CURRENT APPLICATION NUMBER: US/09/730,289B
; CURRENT FILING DATE: 2000-12-05
; PRIOR APPLICATION NUMBER: US 60/169,100
; PRIOR FILING DATE: 1999-12-06
; NUMBER OF SEQ ID NOS: 3897
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 616
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-730-289B-616

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.5e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1510 AAATACAAGGCTTTATA 1526
||||||| | |||| |
Db 17 AAATACAATGTTTTAGA 1

RESULT 370
US-09-730-289B-692/c
; Sequence 692, Application US/09730289B
; Publication No. US20030050259A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for Treatment of Cardiac Disease
; FILE REFERENCE: MBHB00-864-A (400/006)
; CURRENT APPLICATION NUMBER: US/09/730,289B
; CURRENT FILING DATE: 2000-12-05
; PRIOR APPLICATION NUMBER: US 60/169,100
; PRIOR FILING DATE: 1999-12-06
; NUMBER OF SEQ ID NOS: 3897
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 692
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-730-289B-692

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.5e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1591 AATATAAAAGTAAATAT 1607
||| ||| ||| |||||
Db 17 AATCTAATAGTTAATAT 1

RESULT 371
US-09-730-289B-872
; Sequence 872, Application US/09730289B
; Publication No. US20030050259A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for Treatment of Cardiac Disease
; FILE REFERENCE: MBHB00-864-A (400/006)
; CURRENT APPLICATION NUMBER: US/09/730,289B
; CURRENT FILING DATE: 2000-12-05
; PRIOR APPLICATION NUMBER: US 60/169,100
; PRIOR FILING DATE: 1999-12-06
; NUMBER OF SEQ ID NOS: 3897
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 872
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-730-289B-872

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 29.4%; Pred. No. 4.5e+02;
Matches 5; Conservative 9; Mismatches 3; Indels 0; Gaps 0;

Qy 589 TATGTAAAGTATTATTT 605
:|: : |||:|:: :::
Db 1 UAUCUCAAGUAUUUUUU 17

ESULT 372
S-09-730-289B-880/c
Sequence 880, Application US/09730289B
Publication No. US20030050259A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Blatt, Larry
APPLICANT: McSwiggen, Jim
TITLE OF INVENTION: Method and Reagent for Treatment of Cardiac Disease
FILE REFERENCE: MBHB00-864-A (400/006)
CURRENT APPLICATION NUMBER: US/09/730,289B
CURRENT FILING DATE: 2000-12-05
PRIOR APPLICATION NUMBER: US 60/169,100
PRIOR FILING DATE: 1999-12-06
NUMBER OF SEQ ID NOS: 3897
SOFTWARE: PatentIn version 3.0
SEQ ID NO 880
LENGTH: 17
TYPE: RNA
ORGANISM: Homo sapiens
S-09-730-289B-880

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.5e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1564 TTTTTTTACTGTTTCTG 1580
|| |||||||||| ||
Db 17 TTAATTTACTGTTTATG 1

ESULT 373
S-09-730-289B-950/c
Sequence 950, Application US/09730289B
Publication No. US20030050259A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Blatt, Larry
APPLICANT: McSwiggen, Jim
TITLE OF INVENTION: Method and Reagent for Treatment of Cardiac Disease
FILE REFERENCE: MBHB00-864-A (400/006)
CURRENT APPLICATION NUMBER: US/09/730,289B
CURRENT FILING DATE: 2000-12-05
PRIOR APPLICATION NUMBER: US 60/169,100
PRIOR FILING DATE: 1999-12-06
NUMBER OF SEQ ID NOS: 3897
SOFTWARE: PatentIn version 3.0
SEQ ID NO 950
LENGTH: 17
TYPE: RNA
ORGANISM: Homo sapiens
US-09-730-289B-950

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.5e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1357 GTTGGTAGTGCTGTGTT 1373
||||| ||||| || ||
Db 17 GTTGGCAGTGCAGTTTT 1

RESULT 374
US-09-730-289B-954
; Sequence 954, Application US/09730289B
; Publication No. US20030050259A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for Treatment of Cardiac Disease
; FILE REFERENCE: MBHB00-864-A (400/006)
; CURRENT APPLICATION NUMBER: US/09/730,289B
; CURRENT FILING DATE: 2000-12-05
; PRIOR APPLICATION NUMBER: US 60/169,100
; PRIOR FILING DATE: 1999-12-06
; NUMBER OF SEQ ID NOS: 3897
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 954
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-730-289B-954

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 35.3%; Pred. No. 4.5e+02;
Matches 6; Conservative 8; Mismatches 3; Indels 0; Gaps 0;

Qy 591 TGTAAAGTATTATTTAT 607
: :|||| |::|::: :
Db 1 UAUAAAGCAUUAUUUUU 17

RESULT 375
US-09-730-289B-954/c
; Sequence 954, Application US/09730289B
; Publication No. US20030050259A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for Treatment of Cardiac Disease
; FILE REFERENCE: MBHB00-864-A (400/006)
; CURRENT APPLICATION NUMBER: US/09/730,289B
; CURRENT FILING DATE: 2000-12-05
; PRIOR APPLICATION NUMBER: US 60/169,100
; PRIOR FILING DATE: 1999-12-06
; NUMBER OF SEQ ID NOS: 3897
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 954
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-730-289B-954

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.5e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1510 AAATACAAGGCTTTATA 1526
||| | || ||||||||
Db 17 AAAAATAATGCTTTATA 1

RESULT 376
US-09-730-289B-958
; Sequence 958, Application US/09730289B
; Publication No. US20030050259A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for Treatment of Cardiac Disease
; FILE REFERENCE: MBHB00-864-A (400/006)
; CURRENT APPLICATION NUMBER: US/09/730,289B
; CURRENT FILING DATE: 2000-12-05
; PRIOR APPLICATION NUMBER: US 60/169,100
; PRIOR FILING DATE: 1999-12-06
; NUMBER OF SEQ ID NOS: 3897
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 958
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-730-289B-958

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 41.2%; Pred. No. 4.5e+02;
Matches 7; Conservative 7; Mismatches 3; Indels 0; Gaps 0;

```
Qy        909 CTCCTTTATTTCTAAGT 925
              |: |:::| : |:|||:
Db          1 CUUCUUUAAUACUAAGU 17
```

RESULT 377
US-09-730-289B-970/c
; Sequence 970, Application US/09730289B
; Publication No. US20030050259A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for Treatment of Cardiac Disease
; FILE REFERENCE: MBHB00-864-A (400/006)
; CURRENT APPLICATION NUMBER: US/09/730,289B
; CURRENT FILING DATE: 2000-12-05
; PRIOR APPLICATION NUMBER: US 60/169,100
; PRIOR FILING DATE: 1999-12-06
; NUMBER OF SEQ ID NOS: 3897
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 970
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-730-289B-970

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.5e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```
Qy       1468 ACAAATAGATTCTTATA 1484
              |||||||| |  |||||
Db         17 ACAAATAGTTCTTTATA 1
```

RESULT 378
US-09-730-289B-1033/c
; Sequence 1033, Application US/09730289B
; Publication No. US20030050259A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for Treatment of Cardiac Disease
; FILE REFERENCE: MBHB00-864-A (400/006)
; CURRENT APPLICATION NUMBER: US/09/730,289B
; CURRENT FILING DATE: 2000-12-05
; PRIOR APPLICATION NUMBER: US 60/169,100
; PRIOR FILING DATE: 1999-12-06
; NUMBER OF SEQ ID NOS: 3897
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1033
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-730-289B-1033

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.5e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```
Qy       1470 AAATAGATTCTTATAAT 1486
              ||||| | ||| |||||
Db         17 AAATATAATCTAATAAT 1
```

RESULT 379
US-09-730-289B-1093/c
; Sequence 1093, Application US/09730289B
; Publication No. US20030050259A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for Treatment of Cardiac Disease
; FILE REFERENCE: MBHB00-864-A (400/006)
; CURRENT APPLICATION NUMBER: US/09/730,289B
; CURRENT FILING DATE: 2000-12-05
; PRIOR APPLICATION NUMBER: US 60/169,100
; PRIOR FILING DATE: 1999-12-06
; NUMBER OF SEQ ID NOS: 3897
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1093
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-730-289B-1093

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.5e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```
Qy       1470 AAATAGATTCTTATAAT 1486
              |||||| |  |||||||
Db         17 AAATAGTTCTTTATAAT 1
```

RESULT 380
US-09-730-289B-1120/c
; Sequence 1120, Application US/09730289B
; Publication No. US20030050259A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for Treatment of Cardiac Disease
; FILE REFERENCE: MBHB00-864-A (400/006)
; CURRENT APPLICATION NUMBER: US/09/730,289B
; CURRENT FILING DATE: 2000-12-05
; PRIOR APPLICATION NUMBER: US 60/169,100
; PRIOR FILING DATE: 1999-12-06
; NUMBER OF SEQ ID NOS: 3897
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1120
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-730-289B-1120

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.5e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```
Qy        819 CTGGAAATCCTGGATTT 835
              ||||||||| |  ||||
Db         17 CTGGAAATCTTTTATTT 1
```

RESULT 381
US-09-818-875-563
; Sequence 563, Application US/09818875
; Publication No. US20030051270A1
; GENERAL INFORMATION:
; APPLICANT: Kmiec, Eric B.
; APPLICANT: Gamper, Howard B.
; APPLICANT: Rice, Michael C.
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
; TITLE OF INVENTION: Stranded Oligonucleotides
; FILE REFERENCE: Napro-4
; CURRENT APPLICATION NUMBER: US/09/818,875

CURRENT FILING DATE: 2001-03-27
PRIOR APPLICATION NUMBER: US 60/192,176
PRIOR FILING DATE: 2000-03-27
PRIOR APPLICATION NUMBER: US 60/192,179
PRIOR FILING DATE: 2000-03-27
PRIOR APPLICATION NUMBER: US 60/208,538
PRIOR FILING DATE: 2000-06-01
PRIOR APPLICATION NUMBER: US 60/244,989
PRIOR FILING DATE: 2000-10-30
NUMBER OF SEQ ID NOS: 4385
SOFTWARE: Friedman macro Napro4
SEQ ID NO 563
LENGTH: 17
TYPE: DNA
ORGANISM: Homo sapiens
S-09-818-875-563

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.5e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

y 1373 TGAATTACGGAATAATG 1389
|| ||||| || |||||
b 1 TGTATTACCGAGTAATG 17

ESULT 382
S-09-818-875-564/c
Sequence 564, Application US/09818875
Publication No. US20030051270A1
GENERAL INFORMATION:
APPLICANT: Kmiec, Eric B.
APPLICANT: Gamper, Howard B.
APPLICANT: Rice, Michael C.
TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
TITLE OF INVENTION: Stranded Oligonucleotides
FILE REFERENCE: Napro-4
CURRENT APPLICATION NUMBER: US/09/818,875
CURRENT FILING DATE: 2001-03-27
PRIOR APPLICATION NUMBER: US 60/192,176
PRIOR FILING DATE: 2000-03-27
PRIOR APPLICATION NUMBER: US 60/192,179
PRIOR FILING DATE: 2000-03-27
PRIOR APPLICATION NUMBER: US 60/208,538
PRIOR FILING DATE: 2000-06-01
PRIOR APPLICATION NUMBER: US 60/244,989
PRIOR FILING DATE: 2000-10-30
NUMBER OF SEQ ID NOS: 4385
SOFTWARE: Friedman macro Napro4
SEQ ID NO 564
LENGTH: 17
TYPE: DNA
ORGANISM: Homo sapiens
JS-09-818-875-564

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.5e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1373 TGAATTACGGAATAATG 1389
|| ||||| || |||||
Db 17 TGTATTACCGAGTAATG 1

RESULT 383
JS-09-818-875-771
; Sequence 771, Application US/09818875
; Publication No. US20030051270A1
; GENERAL INFORMATION:
; APPLICANT: Kmiec, Eric B.
; APPLICANT: Gamper, Howard B.
; APPLICANT: Rice, Michael C.
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
; TITLE OF INVENTION: Stranded Oligonucleotides
; FILE REFERENCE: Napro-4
; CURRENT APPLICATION NUMBER: US/09/818,875
; CURRENT FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: US 60/192,176
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/192,179
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/208,538
; PRIOR FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/244,989
; PRIOR FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 4385
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 771
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-818-875-771

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.5e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 921 TAAGTGGAAAAAGTATT 937
||||||||| |||| ||
Db 1 TAAGTGGAGAAAGGGTT 17

RESULT 384
US-09-818-875-772/c
; Sequence 772, Application US/09818875
; Publication No. US20030051270A1
; GENERAL INFORMATION:
; APPLICANT: Kmiec, Eric B.
; APPLICANT: Gamper, Howard B.
; APPLICANT: Rice, Michael C.
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
; TITLE OF INVENTION: Stranded Oligonucleotides
; FILE REFERENCE: Napro-4
; CURRENT APPLICATION NUMBER: US/09/818,875
; CURRENT FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: US 60/192,176
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/192,179
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/208,538
; PRIOR FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/244,989
; PRIOR FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 4385
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 772
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-818-875-772

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.5e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 921 TAAGTGGAAAAAGTATT 937
||||||||| |||| ||
Db 17 TAAGTGGAGAAAGGGTT 1

RESULT 385
US-09-818-875-1723
; Sequence 1723, Application US/09818875
; Publication No. US20030051270A1
; GENERAL INFORMATION:
; APPLICANT: Kmiec, Eric B.

```
;  APPLICANT:  Gamper, Howard B.
;  APPLICANT:  Rice, Michael C.
;  TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
;  TITLE OF INVENTION:  Stranded Oligonucleotides
;  FILE REFERENCE: Napro-4
;  CURRENT APPLICATION NUMBER: US/09/818,875
;  CURRENT FILING DATE:  2001-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,176
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,179
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/208,538
;  PRIOR FILING DATE: 2000-06-01
;  PRIOR APPLICATION NUMBER: US 60/244,989
;  PRIOR FILING DATE: 2000-10-30
;  NUMBER OF SEQ ID NOS: 4385
;  SOFTWARE: Friedman macro Napro4
; SEQ ID NO 1723
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
JS-09-818-875-1723

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 4.5e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1404 AAACAGCCAAAACTCCA 1420
              | ||| |||||| ||||
Db          1 AGACACCCAAAAGTCCA 17


RESULT 386
JS-09-818-875-1724/c
; Sequence 1724, Application US/09818875
; Publication No. US20030051270A1
; GENERAL INFORMATION:
;  APPLICANT: Kmiec, Eric B.
;  APPLICANT:  Gamper, Howard B.
;  APPLICANT:  Rice, Michael C.
;  TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
;  TITLE OF INVENTION:  Stranded Oligonucleotides
;  FILE REFERENCE: Napro-4
;  CURRENT APPLICATION NUMBER: US/09/818,875
;  CURRENT FILING DATE:  2001-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,176
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,179
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/208,538
;  PRIOR FILING DATE: 2000-06-01
;  PRIOR APPLICATION NUMBER: US 60/244,989
;  PRIOR FILING DATE: 2000-10-30
;  NUMBER OF SEQ ID NOS: 4385
;  SOFTWARE: Friedman macro Napro4
; SEQ ID NO 1724
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
JS-09-818-875-1724

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 4.5e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1404 AAACAGCCAAAACTCCA 1420
              | ||| |||||| ||||
Db         17 AGACACCCAAAAGTCCA 1


RESULT 387
JS-09-818-875-2158
; Sequence 2158, Application US/09818875
; Publication No. US20030051270A1
; GENERAL INFORMATION:
;  APPLICANT: Kmiec, Eric B.
;  APPLICANT:  Gamper, Howard B.
;  APPLICANT:  Rice, Michael C.
;  TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
;  TITLE OF INVENTION:  Stranded Oligonucleotides
;  FILE REFERENCE: Napro-4
;  CURRENT APPLICATION NUMBER: US/09/818,875
;  CURRENT FILING DATE:  2001-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,176
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,179
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/208,538
;  PRIOR FILING DATE: 2000-06-01
;  PRIOR APPLICATION NUMBER: US 60/244,989
;  PRIOR FILING DATE: 2000-10-30
;  NUMBER OF SEQ ID NOS: 4385
;  SOFTWARE: Friedman macro Napro4
; SEQ ID NO 2158
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-818-875-2158

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 4.5e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1604 ATATGAAACATTTAAAA 1620
              | |||||||| ||||| |
Db          1 AGATGAAACCTTTAAGA 17


RESULT 388
US-09-818-875-2159/c
; Sequence 2159, Application US/09818875
; Publication No. US20030051270A1
; GENERAL INFORMATION:
;  APPLICANT: Kmiec, Eric B.
;  APPLICANT:  Gamper, Howard B.
;  APPLICANT:  Rice, Michael C.
;  TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
;  TITLE OF INVENTION:  Stranded Oligonucleotides
;  FILE REFERENCE: Napro-4
;  CURRENT APPLICATION NUMBER: US/09/818,875
;  CURRENT FILING DATE:  2001-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,176
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,179
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/208,538
;  PRIOR FILING DATE: 2000-06-01
;  PRIOR APPLICATION NUMBER: US 60/244,989
;  PRIOR FILING DATE: 2000-10-30
;  NUMBER OF SEQ ID NOS: 4385
;  SOFTWARE: Friedman macro Napro4
; SEQ ID NO 2159
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-818-875-2159

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 4.5e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1604 ATATGAAACATTTAAAA 1620
              | |||||||| ||||| |
Db         17 AGATGAAACCTTTAAGA 1
```

```
ESULT 389
S-09-818-875-2438
 Sequence 2438, Application US/09818875
 Publication No. US20030051270A1
 GENERAL INFORMATION:
  APPLICANT: Kmiec, Eric B.
  APPLICANT:  Gamper, Howard B.
  APPLICANT:  Rice, Michael C.
  TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
  TITLE OF INVENTION:  Stranded Oligonucleotides
  FILE REFERENCE: Napro-4
  CURRENT APPLICATION NUMBER: US/09/818,875
  CURRENT FILING DATE:  2001-03-27
  PRIOR APPLICATION NUMBER: US 60/192,176
  PRIOR FILING DATE: 2000-03-27
  PRIOR APPLICATION NUMBER: US 60/192,179
  PRIOR FILING DATE: 2000-03-27
  PRIOR APPLICATION NUMBER: US 60/208,538
  PRIOR FILING DATE: 2000-06-01
  PRIOR APPLICATION NUMBER: US 60/244,989
  PRIOR FILING DATE: 2000-10-30
  NUMBER OF SEQ ID NOS: 4385
  SOFTWARE: Friedman macro Napro4
 SEQ ID NO 2438
   LENGTH: 17
   TYPE: DNA
   ORGANISM: Homo sapiens
3-09-818-875-2438

 Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
 Best Local Similarity   82.4%;  Pred. No. 4.5e+02;
 Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

r        980 AAGCACTTTAAGTTTTT 996
             ||||||   ||||||||
D          1 AAGCACGAGAAGTTTTT 17


ESULT 390
3-09-818-875-2439/c
 Sequence 2439, Application US/09818875
 Publication No. US20030051270A1
 GENERAL INFORMATION:
  APPLICANT: Kmiec, Eric B.
  APPLICANT:  Gamper, Howard B.
  APPLICANT:  Rice, Michael C.
  TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
  TITLE OF INVENTION:  Stranded Oligonucleotides
  FILE REFERENCE: Napro-4
  CURRENT APPLICATION NUMBER: US/09/818,875
  CURRENT FILING DATE:  2001-03-27
  PRIOR APPLICATION NUMBER: US 60/192,176
  PRIOR FILING DATE: 2000-03-27
  PRIOR APPLICATION NUMBER: US 60/192,179
  PRIOR FILING DATE: 2000-03-27
  PRIOR APPLICATION NUMBER: US 60/208,538
  PRIOR FILING DATE: 2000-06-01
  PRIOR APPLICATION NUMBER: US 60/244,989
  PRIOR FILING DATE: 2000-10-30
  NUMBER OF SEQ ID NOS: 4385
  SOFTWARE: Friedman macro Napro4
 SEQ ID NO 2439
   LENGTH: 17
   TYPE: DNA
   ORGANISM: Homo sapiens
3-09-818-875-2439

 Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
 Best Local Similarity   82.4%;  Pred. No. 4.5e+02;
 Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

r        980 AAGCACTTTAAGTTTTT 996
             ||||||   ||||||||
```

```
Db         17 AAGCACGAGAAGTTTTT 1


RESULT 391
US-09-818-875-2442
; Sequence 2442, Application US/09818875
; Publication No. US20030051270A1
; GENERAL INFORMATION:
;  APPLICANT: Kmiec, Eric B.
;  APPLICANT:  Gamper, Howard B.
;  APPLICANT:  Rice, Michael C.
;  TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
;  TITLE OF INVENTION:  Stranded Oligonucleotides
;  FILE REFERENCE: Napro-4
;  CURRENT APPLICATION NUMBER: US/09/818,875
;  CURRENT FILING DATE:  2001-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,176
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,179
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/208,538
;  PRIOR FILING DATE: 2000-06-01
;  PRIOR APPLICATION NUMBER: US 60/244,989
;  PRIOR FILING DATE: 2000-10-30
;  NUMBER OF SEQ ID NOS: 4385
;  SOFTWARE: Friedman macro Napro4
; SEQ ID NO 2442
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-818-875-2442

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 4.5e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        980 AAGCACTTTAAGTTTTT 996
              ||||||   ||||||||
Db          1 AAGCACGAGAAGTTTTT 17


RESULT 392
US-09-818-875-2443/c
; Sequence 2443, Application US/09818875
; Publication No. US20030051270A1
; GENERAL INFORMATION:
;  APPLICANT: Kmiec, Eric B.
;  APPLICANT:  Gamper, Howard B.
;  APPLICANT:  Rice, Michael C.
;  TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
;  TITLE OF INVENTION:  Stranded Oligonucleotides
;  FILE REFERENCE: Napro-4
;  CURRENT APPLICATION NUMBER: US/09/818,875
;  CURRENT FILING DATE:  2001-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,176
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,179
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/208,538
;  PRIOR FILING DATE: 2000-06-01
;  PRIOR APPLICATION NUMBER: US 60/244,989
;  PRIOR FILING DATE: 2000-10-30
;  NUMBER OF SEQ ID NOS: 4385
;  SOFTWARE: Friedman macro Napro4
; SEQ ID NO 2443
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-818-875-2443

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 4.5e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;
```

```
Qy        980 AAGCACTTTAAGTTTTT 996
              ||||||  ||||||||
Db         17 AAGCACGAGAAGTTTTT 1
```

```
ESULT 393
S-09-818-875-2538
 Sequence 2538, Application US/09818875
 Publication No. US20030051270A1
 GENERAL INFORMATION:
  APPLICANT: Kmiec, Eric B.
  APPLICANT:  Gamper, Howard B.
  APPLICANT:  Rice, Michael C.
  TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
  TITLE OF INVENTION:  Stranded Oligonucleotides
  FILE REFERENCE: Napro-4
  CURRENT APPLICATION NUMBER: US/09/818,875
  CURRENT FILING DATE:  2001-03-27
  PRIOR APPLICATION NUMBER: US 60/192,176
  PRIOR FILING DATE: 2000-03-27
  PRIOR APPLICATION NUMBER: US 60/192,179
  PRIOR FILING DATE: 2000-03-27
  PRIOR APPLICATION NUMBER: US 60/208,538
  PRIOR FILING DATE: 2000-06-01
  PRIOR APPLICATION NUMBER: US 60/244,989
  PRIOR FILING DATE: 2000-10-30
  NUMBER OF SEQ ID NOS: 4385
  SOFTWARE: Friedman macro Napro4
; SEQ ID NO 2538
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
JS-09-818-875-2538

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 4.5e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1491 TTTAAATGACTGCATTT 1507
              ||||||||  | |||  ||
Db          1 TTTAAATGGCGGCAGTT 17
```

```
RESULT 394
US-09-818-875-2539/c
; Sequence 2539, Application US/09818875
; Publication No. US20030051270A1
; GENERAL INFORMATION:
;  APPLICANT: Kmiec, Eric B.
;  APPLICANT:  Gamper, Howard B.
;  APPLICANT:  Rice, Michael C.
;  TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
;  TITLE OF INVENTION:  Stranded Oligonucleotides
;  FILE REFERENCE: Napro-4
;  CURRENT APPLICATION NUMBER: US/09/818,875
;  CURRENT FILING DATE:  2001-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,176
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,179
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/208,538
;  PRIOR FILING DATE: 2000-06-01
;  PRIOR APPLICATION NUMBER: US 60/244,989
;  PRIOR FILING DATE: 2000-10-30
;  NUMBER OF SEQ ID NOS: 4385
;  SOFTWARE: Friedman macro Napro4
; SEQ ID NO 2539
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-818-875-2539

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 4.5e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1491 TTTAAATGACTGCATTT 1507
              ||||||||  | |||  ||
Db          1 TTTAAATGGCGGCAGTT 17
```

```
RESULT 395
US-09-818-875-2542
; Sequence 2542, Application US/09818875
; Publication No. US20030051270A1
; GENERAL INFORMATION:
;  APPLICANT: Kmiec, Eric B.
;  APPLICANT:  Gamper, Howard B.
;  APPLICANT:  Rice, Michael C.
;  TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
;  TITLE OF INVENTION:  Stranded Oligonucleotides
;  FILE REFERENCE: Napro-4
;  CURRENT APPLICATION NUMBER: US/09/818,875
;  CURRENT FILING DATE:  2001-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,176
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,179
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/208,538
;  PRIOR FILING DATE: 2000-06-01
;  PRIOR APPLICATION NUMBER: US 60/244,989
;  PRIOR FILING DATE: 2000-10-30
;  NUMBER OF SEQ ID NOS: 4385
;  SOFTWARE: Friedman macro Napro4
; SEQ ID NO 2542
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-818-875-2542

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 4.5e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1491 TTTAAATGACTGCATTT 1507
              ||||||||  | |||  ||
Db          1 TTTAAATGGCGGCAGTT 17
```

```
RESULT 396
US-09-818-875-2543/c
; Sequence 2543, Application US/09818875
; Publication No. US20030051270A1
; GENERAL INFORMATION:
;  APPLICANT: Kmiec, Eric B.
;  APPLICANT:  Gamper, Howard B.
;  APPLICANT:  Rice, Michael C.
;  TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
;  TITLE OF INVENTION:  Stranded Oligonucleotides
;  FILE REFERENCE: Napro-4
;  CURRENT APPLICATION NUMBER: US/09/818,875
;  CURRENT FILING DATE:  2001-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,176
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,179
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/208,538
;  PRIOR FILING DATE: 2000-06-01
;  PRIOR APPLICATION NUMBER: US 60/244,989
;  PRIOR FILING DATE: 2000-10-30
;  NUMBER OF SEQ ID NOS: 4385
;  SOFTWARE: Friedman macro Napro4
; SEQ ID NO 2543
;   LENGTH: 17
;   TYPE: DNA
```

```
   ORGANISM: Homo sapiens
S-09-818-875-2543

 Query Match              1.0%;  Score 12.2;  DB 1;  Length 17;
 Best Local Similarity   82.4%;  Pred. No. 4.5e+02;
 Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

y       1491 TTTAAATGACTGCATTT 1507
             ||||||||  | ||| ||
b         17 TTTAAATGGCGGCAGTT 1


ESULT 397
S-09-818-875-4186/c
 Sequence 4186, Application US/09818875
 Publication No. US20030051270A1
 GENERAL INFORMATION:
  APPLICANT: Kmiec, Eric B.
  APPLICANT:  Gamper, Howard B.
  APPLICANT:  Rice, Michael C.
  TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
  TITLE OF INVENTION:  Stranded Oligonucleotides
  FILE REFERENCE: Napro-4
  CURRENT APPLICATION NUMBER: US/09/818,875
  CURRENT FILING DATE:  2001-03-27
  PRIOR APPLICATION NUMBER: US 60/192,176
  PRIOR FILING DATE: 2000-03-27
  PRIOR APPLICATION NUMBER: US 60/192,179
  PRIOR FILING DATE: 2000-03-27
  PRIOR APPLICATION NUMBER: US 60/208,538
  PRIOR FILING DATE: 2000-06-01
  PRIOR APPLICATION NUMBER: US 60/244,989
  PRIOR FILING DATE: 2000-10-30
  NUMBER OF SEQ ID NOS: 4385
  SOFTWARE: Friedman macro Napro4
 SEQ ID NO 4186
   LENGTH: 17
   TYPE: DNA
   ORGANISM: Homo sapiens
IS-09-818-875-4186

 Query Match              1.0%;  Score 12.2;  DB 1;  Length 17;
 Best Local Similarity   82.4%;  Pred. No. 4.5e+02;
 Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy      1124 ATAAAGATGTTATAGTA 1140
             |||  |||||  ||||  ||
Db        17 ATAGAGATGATATAATA 1


RESULT 398
JS-09-818-875-4187
; Sequence 4187, Application US/09818875
; Publication No. US20030051270A1
; GENERAL INFORMATION:
;  APPLICANT: Kmiec, Eric B.
;  APPLICANT:  Gamper, Howard B.
;  APPLICANT:  Rice, Michael C.
;  TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
;  TITLE OF INVENTION:  Stranded Oligonucleotides
;  FILE REFERENCE: Napro-4
;  CURRENT APPLICATION NUMBER: US/09/818,875
;  CURRENT FILING DATE:  2001-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,176
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,179
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/208,538
;  PRIOR FILING DATE: 2000-06-01
;  PRIOR APPLICATION NUMBER: US 60/244,989
;  PRIOR FILING DATE: 2000-10-30
;  NUMBER OF SEQ ID NOS: 4385
;  SOFTWARE: Friedman macro Napro4
; SEQ ID NO 4187
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-818-875-4187

  Query Match              1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 4.5e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy      1124 ATAAAGATGTTATAGTA 1140
             |||  |||||  ||||  ||
Db         1 ATAGAGATGATATAATA 17


RESULT 399
US-09-780-533A-107
; Sequence 107, Application US/09780533A
; Publication No. US20030060611A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Blatt, Larry
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Chowrira, Bharat
;  APPLICANT:  Haeberli, Pete
;  TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Gene
;  FILE REFERENCE: MBHB00,878-A (400/011)
;  CURRENT APPLICATION NUMBER: US/09/780,533A
;  CURRENT FILING DATE:  2001-02-09
;  PRIOR APPLICATION NUMBER: US 60/181,797
;  PRIOR FILING DATE: 2000-02-11
;  NUMBER OF SEQ ID NOS: 6679
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 107
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-780-533A-107

  Query Match              1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   70.6%;  Pred. No. 4.5e+02;
  Matches   12;  Conservative    2;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       425 GAAGATGCCAGTGAAAC 441
             |||  |:|  |||:|||  |
Db         1 GAAAAUGUCAGUGAAGC 17


RESULT 400
US-09-780-533A-459/c
; Sequence 459, Application US/09780533A
; Publication No. US20030060611A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Blatt, Larry
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Chowrira, Bharat
;  APPLICANT:  Haeberli, Pete
;  TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Gene
;  FILE REFERENCE: MBHB00,878-A (400/011)
;  CURRENT APPLICATION NUMBER: US/09/780,533A
;  CURRENT FILING DATE:  2001-02-09
;  PRIOR APPLICATION NUMBER: US 60/181,797
;  PRIOR FILING DATE: 2000-02-11
;  NUMBER OF SEQ ID NOS: 6679
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 459
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-780-533A-459

  Query Match              1.0%;  Score 12.2;  DB 1;  Length 17;
```

Best Local Similarity 82.4%; Pred. No. 4.5e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```
Qy       1092 AAAATAGAAGATGAATC 1108
              ||  ||||| |||||||
Db         17 AATTTAGAAAATGAATC 1
```

RESULT 401
US-09-780-533A-521/c
; Sequence 521, Application US/09780533A
; Publication No. US20030060611A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; APPLICANT: Chowrira, Bharat
; APPLICANT: Haeberli, Pete
; TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Gene
; FILE REFERENCE: MBHB00,878-A (400/011)
; CURRENT APPLICATION NUMBER: US/09/780,533A
; CURRENT FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: US 60/181,797
; PRIOR FILING DATE: 2000-02-11
; NUMBER OF SEQ ID NOS: 6679
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 521
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-780-533A-521

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.5e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```
Qy       1088 TGGAAAAATAGAAGATG 1104
              || ||| |||| |||||
Db         17 TGAAAATATAGCAGATG 1
```

RESULT 402
US-09-780-533A-598
; Sequence 598, Application US/09780533A
; Publication No. US20030060611A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; APPLICANT: Chowrira, Bharat
; APPLICANT: Haeberli, Pete
; TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Gene
; FILE REFERENCE: MBHB00,878-A (400/011)
; CURRENT APPLICATION NUMBER: US/09/780,533A
; CURRENT FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: US 60/181,797
; PRIOR FILING DATE: 2000-02-11
; NUMBER OF SEQ ID NOS: 6679
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 598
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-780-533A-598

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 29.4%; Pred. No. 4.5e+02;
Matches 5; Conservative 9; Mismatches 3; Indels 0; Gaps 0;

```
Qy       1286 TTGTTTATCTGAAATTT 1302
              ::| :: :|:||| :::
Db          1 UUGAUUCUCUGAAGUUU 17
```

RESULT 403
US-09-780-533A-640/c
; Sequence 640, Application US/09780533A
; Publication No. US20030060611A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; APPLICANT: Chowrira, Bharat
; APPLICANT: Haeberli, Pete
; TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Gene
; FILE REFERENCE: MBHB00,878-A (400/011)
; CURRENT APPLICATION NUMBER: US/09/780,533A
; CURRENT FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: US 60/181,797
; PRIOR FILING DATE: 2000-02-11
; NUMBER OF SEQ ID NOS: 6679
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 640
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-780-533A-640

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.5e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```
Qy        579 AACATACTTATATGTAA 595
              ||||| ||||| || ||
Db         17 AACATTCTTATTTGCAA 1
```

RESULT 404
US-09-780-533A-662
; Sequence 662, Application US/09780533A
; Publication No. US20030060611A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; APPLICANT: Chowrira, Bharat
; APPLICANT: Haeberli, Pete
; TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Gene
; FILE REFERENCE: MBHB00,878-A (400/011)
; CURRENT APPLICATION NUMBER: US/09/780,533A
; CURRENT FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: US 60/181,797
; PRIOR FILING DATE: 2000-02-11
; NUMBER OF SEQ ID NOS: 6679
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 662
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-780-533A-662

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 35.3%; Pred. No. 4.5e+02;
Matches 6; Conservative 8; Mismatches 3; Indels 0; Gaps 0;

```
Qy        601 TATTTATTTGAATCTAC 617
              :|:: |:::|| : :||
Db          1 UAUUCAUUUGAUUAUAC 17
```

RESULT 405
US-09-780-533A-1012
; Sequence 1012, Application US/09780533A
; Publication No. US20030060611A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: Blatt, Larry
APPLICANT: McSwiggen, Jim
APPLICANT: Chowrira, Bharat
APPLICANT: Haeberli, Pete
TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Gene
FILE REFERENCE: MBHB00,878-A (400/011)
CURRENT APPLICATION NUMBER: US/09/780,533A
CURRENT FILING DATE: 2001-02-09
PRIOR APPLICATION NUMBER: US 60/181,797
PRIOR FILING DATE: 2000-02-11
NUMBER OF SEQ ID NOS: 6679
SOFTWARE: PatentIn version 3.0
SEQ ID NO 1012
LENGTH: 17
TYPE: RNA
ORGANISM: Homo sapiens
S-09-780-533A-1012

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 64.7%; Pred. No. 4.5e+02;
Matches 11; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

Qy 426 AAGATGCCAGTGAAACT 442
|| |:| |||:||| |:
Db 1 AAAAUGUCAGUGAAGCU 17

ESULT 406
S-09-780-533A-1691
Sequence 1691, Application US/09780533A
Publication No. US20030060611A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Blatt, Larry
APPLICANT: McSwiggen, Jim
APPLICANT: Chowrira, Bharat
APPLICANT: Haeberli, Pete
TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Gene
FILE REFERENCE: MBHB00,878-A (400/011)
CURRENT APPLICATION NUMBER: US/09/780,533A
CURRENT FILING DATE: 2001-02-09
PRIOR APPLICATION NUMBER: US 60/181,797
PRIOR FILING DATE: 2000-02-11
NUMBER OF SEQ ID NOS: 6679
SOFTWARE: PatentIn version 3.0
SEQ ID NO 1691
LENGTH: 17
TYPE: RNA
ORGANISM: Homo sapiens
S-09-780-533A-1691

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 58.8%; Pred. No. 4.5e+02;
Matches 10; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

Qy 1104 GAATCATTGATTGAATA 1120
|| :|| :||: |||:|
Db 1 GAGUCAAUGAUAGAAUA 17

ESULT 407
S-09-780-533A-1862
Sequence 1862, Application US/09780533A
Publication No. US20030060611A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Blatt, Larry
APPLICANT: McSwiggen, Jim
APPLICANT: Chowrira, Bharat
APPLICANT: Haeberli, Pete
TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Gene
FILE REFERENCE: MBHB00,878-A (400/011)
CURRENT APPLICATION NUMBER: US/09/780,533A
CURRENT FILING DATE: 2001-02-09
PRIOR APPLICATION NUMBER: US 60/181,797
PRIOR FILING DATE: 2000-02-11
NUMBER OF SEQ ID NOS: 6679
SOFTWARE: PatentIn version 3.0
SEQ ID NO 1862
LENGTH: 17
TYPE: RNA
ORGANISM: Homo sapiens
US-09-780-533A-1862

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 58.8%; Pred. No. 4.5e+02;
Matches 10; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

Qy 427 AGATGCCAGTGAAACTT 443
| |:| |||:||| |::
Db 1 AAAUGUCAGUGAAGCUU 17

RESULT 408
US-09-780-533A-2041
Sequence 2041, Application US/09780533A
Publication No. US20030060611A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Blatt, Larry
APPLICANT: McSwiggen, Jim
APPLICANT: Chowrira, Bharat
APPLICANT: Haeberli, Pete
TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Gene
FILE REFERENCE: MBHB00,878-A (400/011)
CURRENT APPLICATION NUMBER: US/09/780,533A
CURRENT FILING DATE: 2001-02-09
PRIOR APPLICATION NUMBER: US 60/181,797
PRIOR FILING DATE: 2000-02-11
NUMBER OF SEQ ID NOS: 6679
SOFTWARE: PatentIn version 3.0
SEQ ID NO 2041
LENGTH: 17
TYPE: RNA
ORGANISM: Homo sapiens
US-09-780-533A-2041

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 35.3%; Pred. No. 4.5e+02;
Matches 6; Conservative 8; Mismatches 3; Indels 0; Gaps 0;

Qy 599 ATTATTTATTTGAATCT 615
|: |:::| ::|| :|:
Db 1 AUGAUUUAGUUGAUUCU 17

RESULT 409
US-09-780-533A-2250/c
Sequence 2250, Application US/09780533A
Publication No. US20030060611A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Blatt, Larry
APPLICANT: McSwiggen, Jim
APPLICANT: Chowrira, Bharat
APPLICANT: Haeberli, Pete
TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Gene
FILE REFERENCE: MBHB00,878-A (400/011)
CURRENT APPLICATION NUMBER: US/09/780,533A
CURRENT FILING DATE: 2001-02-09
PRIOR APPLICATION NUMBER: US 60/181,797
PRIOR FILING DATE: 2000-02-11
NUMBER OF SEQ ID NOS: 6679
SOFTWARE: PatentIn version 3.0
SEQ ID NO 2250
LENGTH: 17

TYPE: RNA
ORGANISM: Homo sapiens
/S-09-780-533A-2250

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.5e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1292 ATCTGAAATTTTAATTG 1308
|||| ||||| |||||
Db 17 ATCTATAATTTCAATTG 1

ESULT 410
S-09-780-533A-2692
Sequence 2692, Application US/09780533A
Publication No. US20030060611A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Blatt, Larry
APPLICANT: McSwiggen, Jim
APPLICANT: Chowrira, Bharat
APPLICANT: Haeberli, Pete
TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Gene
FILE REFERENCE: MBHB00,878-A (400/011)
CURRENT APPLICATION NUMBER: US/09/780,533A
CURRENT FILING DATE: 2001-02-09
PRIOR APPLICATION NUMBER: US 60/181,797
PRIOR FILING DATE: 2000-02-11
NUMBER OF SEQ ID NOS: 6679
SOFTWARE: PatentIn version 3.0
SEQ ID NO 2692
LENGTH: 17
TYPE: RNA
ORGANISM: Homo sapiens
US-09-780-533A-2692

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 41.2%; Pred. No. 4.5e+02;
Matches 7; Conservative 7; Mismatches 3; Indels 0; Gaps 0;

Qy 1049 TATGTATTTATTTAAGC 1065
:|:|:|: |:::|| |
Db 1 UAUGUAUGGAUUUAAAC 17

RESULT 411
US-09-877-478-219
Sequence 219, Application US/09877478
Publication No. US20030068301A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Draper, Kenneth
APPLICANT: Blatt, Larry
APPLICANT: McSwiggen, Jim
APPLICANT: Morrissey, Dave
TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
FILE REFERENCE: MBHB00-845-H (400/029)
CURRENT APPLICATION NUMBER: US/09/877,478
CURRENT FILING DATE: 2001-12-31
PRIOR APPLICATION NUMBER: US 07/882,712
PRIOR FILING DATE: 1992-05-14
PRIOR APPLICATION NUMBER: US 09/531,025
PRIOR FILING DATE: 2000-03-20
PRIOR APPLICATION NUMBER: US 09/636,385
PRIOR FILING DATE: 2000-08-09
PRIOR APPLICATION NUMBER: US 09/696,347
PRIOR FILING DATE: 2000-10-24
PRIOR APPLICATION NUMBER: US 08/193,627
PRIOR FILING DATE: 1994-02-07
PRIOR APPLICATION NUMBER: US 08/433,993
PRIOR FILING DATE: 1995-05-04
PRIOR APPLICATION NUMBER: US 08/434,504
PRIOR FILING DATE: 1995-05-04
PRIOR APPLICATION NUMBER: US 09/436,430
PRIOR FILING DATE: 1999-11-08
NUMBER OF SEQ ID NOS: 6586
SOFTWARE: PatentIn version 3.0
SEQ ID NO 219
LENGTH: 17
TYPE: RNA
ORGANISM: Hepatitis B virus
US-09-877-478-219

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 52.9%; Pred. No. 4.5e+02;
Matches 9; Conservative 5; Mismatches 3; Indels 0; Gaps 0;

Qy 1221 TTGGGTACCCAGTTAAA 1237
::|||:| || ::|||
Db 1 UUGGGUAUACAUUUAAA 17

RESULT 412
US-09-877-478-509/c
Sequence 509, Application US/09877478
Publication No. US20030068301A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Draper, Kenneth
APPLICANT: Blatt, Larry
APPLICANT: McSwiggen, Jim
APPLICANT: Morrissey, Dave
TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
FILE REFERENCE: MBHB00-845-H (400/029)
CURRENT APPLICATION NUMBER: US/09/877,478
CURRENT FILING DATE: 2001-12-31
PRIOR APPLICATION NUMBER: US 07/882,712
PRIOR FILING DATE: 1992-05-14
PRIOR APPLICATION NUMBER: US 09/531,025
PRIOR FILING DATE: 2000-03-20
PRIOR APPLICATION NUMBER: US 09/636,385
PRIOR FILING DATE: 2000-08-09
PRIOR APPLICATION NUMBER: US 09/696,347
PRIOR FILING DATE: 2000-10-24
PRIOR APPLICATION NUMBER: US 08/193,627
PRIOR FILING DATE: 1994-02-07
PRIOR APPLICATION NUMBER: US 08/433,993
PRIOR FILING DATE: 1995-05-04
PRIOR APPLICATION NUMBER: US 08/434,504
PRIOR FILING DATE: 1995-05-04
PRIOR APPLICATION NUMBER: US 09/436,430
PRIOR FILING DATE: 1999-11-08
NUMBER OF SEQ ID NOS: 6586
SOFTWARE: PatentIn version 3.0
SEQ ID NO 509
LENGTH: 17
TYPE: RNA
ORGANISM: Hepatitis B virus
US-09-877-478-509

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.5e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 614 CTACAAAAAACAACAAA 630
|| ||||| ||| ||||
Db 17 CTCCAAAAGACACCAAA 1

RESULT 413
US-09-877-478-721
Sequence 721, Application US/09877478
Publication No. US20030068301A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: Draper, Kenneth
APPLICANT: Blatt, Larry
APPLICANT: McSwiggen, Jim
APPLICANT: Morrissey, Dave
TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
FILE REFERENCE: MBHB00-845-H (400/029)
CURRENT APPLICATION NUMBER: US/09/877,478
CURRENT FILING DATE: 2001-12-31
PRIOR APPLICATION NUMBER: US 07/882,712
PRIOR FILING DATE: 1992-05-14
PRIOR APPLICATION NUMBER: US 09/531,025
PRIOR FILING DATE: 2000-03-20
PRIOR APPLICATION NUMBER: US 09/636,385
PRIOR FILING DATE: 2000-08-09
PRIOR APPLICATION NUMBER: US 09/696,347
PRIOR FILING DATE: 2000-10-24
PRIOR APPLICATION NUMBER: US 08/193,627
PRIOR FILING DATE: 1994-02-07
PRIOR APPLICATION NUMBER: US 08/433,993
PRIOR FILING DATE: 1995-05-04
PRIOR APPLICATION NUMBER: US 08/434,504
PRIOR FILING DATE: 1995-05-04
PRIOR APPLICATION NUMBER: US 09/436,430
PRIOR FILING DATE: 1999-11-08
NUMBER OF SEQ ID NOS: 6586
SOFTWARE: PatentIn version 3.0
SEQ ID NO 721
LENGTH: 17
TYPE: RNA
ORGANISM: Hepatitis B virus
3-09-877-478-721

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 41.2%; Pred. No. 4.5e+02;
Matches 7; Conservative 7; Mismatches 3; Indels 0; Gaps 0;

y 1434 TAATTTCTTGCTGGTTG 1450
:| :::| :||:||: |
b 1 UACUUUCCUGCUGGUGG 17

ESULT 414
S-09-877-478-1214/c
Sequence 1214, Application US/09877478
Publication No. US20030068301A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Draper, Kenneth
APPLICANT: Blatt, Larry
APPLICANT: McSwiggen, Jim
APPLICANT: Morrissey, Dave
TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
FILE REFERENCE: MBHB00-845-H (400/029)
CURRENT APPLICATION NUMBER: US/09/877,478
CURRENT FILING DATE: 2001-12-31
PRIOR APPLICATION NUMBER: US 07/882,712
PRIOR FILING DATE: 1992-05-14
PRIOR APPLICATION NUMBER: US 09/531,025
PRIOR FILING DATE: 2000-03-20
PRIOR APPLICATION NUMBER: US 09/636,385
PRIOR FILING DATE: 2000-08-09
PRIOR APPLICATION NUMBER: US 09/696,347
PRIOR FILING DATE: 2000-10-24
PRIOR APPLICATION NUMBER: US 08/193,627
PRIOR FILING DATE: 1994-02-07
PRIOR APPLICATION NUMBER: US 08/433,993
PRIOR FILING DATE: 1995-05-04
PRIOR APPLICATION NUMBER: US 08/434,504
PRIOR FILING DATE: 1995-05-04
PRIOR APPLICATION NUMBER: US 09/436,430
PRIOR FILING DATE: 1999-11-08
NUMBER OF SEQ ID NOS: 6586
SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1214
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Hepatitis B virus
US-09-877-478-1214

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.5e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 969 AGGACATGTGGAAGCAC 985
|||| ||||| || |||
Db 17 AGGAAATGTGAAACCAC 1

RESULT 415
US-09-877-478-1779/c
; Sequence 1779, Application US/09877478
; Publication No. US20030068301A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Draper, Kenneth
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; APPLICANT: Morrissey, Dave
; TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
; FILE REFERENCE: MBHB00-845-H (400/029)
; CURRENT APPLICATION NUMBER: US/09/877,478
; CURRENT FILING DATE: 2001-12-31
; PRIOR APPLICATION NUMBER: US 07/882,712
; PRIOR FILING DATE: 1992-05-14
; PRIOR APPLICATION NUMBER: US 09/531,025
; PRIOR FILING DATE: 2000-03-20
; PRIOR APPLICATION NUMBER: US 09/636,385
; PRIOR FILING DATE: 2000-08-09
; PRIOR APPLICATION NUMBER: US 09/696,347
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 08/193,627
; PRIOR FILING DATE: 1994-02-07
; PRIOR APPLICATION NUMBER: US 08/433,993
; PRIOR FILING DATE: 1995-05-04
; PRIOR APPLICATION NUMBER: US 08/434,504
; PRIOR FILING DATE: 1995-05-04
; PRIOR APPLICATION NUMBER: US 09/436,430
; PRIOR FILING DATE: 1999-11-08
; NUMBER OF SEQ ID NOS: 6586
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1779
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Hepatitis B virus
US-09-877-478-1779

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.5e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 618 AAAAAACAACAAATAAT 634
|||| ||| |||||| |
Db 17 AAAAGACACCAAATATT 1

RESULT 416
US-09-877-478-1851/c
; Sequence 1851, Application US/09877478
; Publication No. US20030068301A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Draper, Kenneth
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; APPLICANT: Morrissey, Dave
; TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication

```
;  FILE REFERENCE: MBHB00-845-H (400/029)
;  CURRENT APPLICATION NUMBER: US/09/877,478
;  CURRENT FILING DATE:  2001-12-31
;  PRIOR APPLICATION NUMBER: US 07/882,712
;  PRIOR FILING DATE: 1992-05-14
;  PRIOR APPLICATION NUMBER: US 09/531,025
;  PRIOR FILING DATE: 2000-03-20
;  PRIOR APPLICATION NUMBER: US 09/636,385
;  PRIOR FILING DATE: 2000-08-09
;  PRIOR APPLICATION NUMBER: US 09/696,347
;  PRIOR FILING DATE: 2000-10-24
;  PRIOR APPLICATION NUMBER: US 08/193,627
;  PRIOR FILING DATE: 1994-02-07
;  PRIOR APPLICATION NUMBER: US 08/433,993
;  PRIOR FILING DATE: 1995-05-04
;  PRIOR APPLICATION NUMBER: US 08/434,504
;  PRIOR FILING DATE: 1995-05-04
;  PRIOR APPLICATION NUMBER: US 09/436,430
;  PRIOR FILING DATE: 1999-11-08
;  NUMBER OF SEQ ID NOS: 6586
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1851
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Hepatitis B virus
JS-09-877-478-1851

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 4.5e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        956 CAGTGATGTTGTGAGGA 972
              |||| | |||||||||
Db         17 CTGTGGTATTGTGAGGA 1


RESULT 417
US-09-877-478-1915
; Sequence 1915, Application US/09877478
; Publication No. US20030068301A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Draper, Kenneth
;  APPLICANT:  Blatt, Larry
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Morrissey, Dave
;  TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
;  FILE REFERENCE: MBHB00-845-H (400/029)
;  CURRENT APPLICATION NUMBER: US/09/877,478
;  CURRENT FILING DATE:  2001-12-31
;  PRIOR APPLICATION NUMBER: US 07/882,712
;  PRIOR FILING DATE: 1992-05-14
;  PRIOR APPLICATION NUMBER: US 09/531,025
;  PRIOR FILING DATE: 2000-03-20
;  PRIOR APPLICATION NUMBER: US 09/636,385
;  PRIOR FILING DATE: 2000-08-09
;  PRIOR APPLICATION NUMBER: US 09/696,347
;  PRIOR FILING DATE: 2000-10-24
;  PRIOR APPLICATION NUMBER: US 08/193,627
;  PRIOR FILING DATE: 1994-02-07
;  PRIOR APPLICATION NUMBER: US 08/433,993
;  PRIOR FILING DATE: 1995-05-04
;  PRIOR APPLICATION NUMBER: US 08/434,504
;  PRIOR FILING DATE: 1995-05-04
;  PRIOR APPLICATION NUMBER: US 09/436,430
;  PRIOR FILING DATE: 1999-11-08
;  NUMBER OF SEQ ID NOS: 6586
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1915
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Hepatitis B virus
US-09-877-478-1915

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   52.9%;  Pred. No. 4.5e+02;
  Matches    9;  Conservative    5;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1221 TTGGGTACCCAGTTAAA 1237
              ::|||:|  || ::|||
Db          1 UUGGGUAUACAUUUAAA 17


RESULT 418
US-09-877-478-2072/c
; Sequence 2072, Application US/09877478
; Publication No. US20030068301A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Draper, Kenneth
;  APPLICANT:  Blatt, Larry
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Morrissey, Dave
;  TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
;  FILE REFERENCE: MBHB00-845-H (400/029)
;  CURRENT APPLICATION NUMBER: US/09/877,478
;  CURRENT FILING DATE:  2001-12-31
;  PRIOR APPLICATION NUMBER: US 07/882,712
;  PRIOR FILING DATE: 1992-05-14
;  PRIOR APPLICATION NUMBER: US 09/531,025
;  PRIOR FILING DATE: 2000-03-20
;  PRIOR APPLICATION NUMBER: US 09/636,385
;  PRIOR FILING DATE: 2000-08-09
;  PRIOR APPLICATION NUMBER: US 09/696,347
;  PRIOR FILING DATE: 2000-10-24
;  PRIOR APPLICATION NUMBER: US 08/193,627
;  PRIOR FILING DATE: 1994-02-07
;  PRIOR APPLICATION NUMBER: US 08/433,993
;  PRIOR FILING DATE: 1995-05-04
;  PRIOR APPLICATION NUMBER: US 08/434,504
;  PRIOR FILING DATE: 1995-05-04
;  PRIOR APPLICATION NUMBER: US 09/436,430
;  PRIOR FILING DATE: 1999-11-08
;  NUMBER OF SEQ ID NOS: 6586
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2072
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Hepatitis B virus
US-09-877-478-2072

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 4.5e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        969 AGGACATGTGGAAGCAC 985
              |||| ||||| || |||
Db         17 AGGAAATGTGAAACCAC 1


RESULT 419
US-09-848-754A-265/c
; Sequence 265, Application US/09848754A
; Publication No. US20030073207A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relat
;  TITLE OF INVENTION:  Levels of Epidermal Growth Factor Receptors
;  FILE REFERENCE: MBHB00-958-I (400/018)
;  CURRENT APPLICATION NUMBER: US/09/848,754A
;  CURRENT FILING DATE:  2001-05-03
;  NUMBER OF SEQ ID NOS: 9645
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 265
;   LENGTH: 17
;   TYPE: RNA
```

```
;  ORGANISM: Homo sapiens
US-09-848-754A-265

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 4.5e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        981 AGCACTTTAAGTTTTTT 997
              ||||||||| |  |||||
Db         17 AGCACTTTGATCTTTTT 1


RESULT 420
US-09-848-754A-775/c
; Sequence 775, Application US/09848754A
; Publication No. US20030073207A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
;  TITLE OF INVENTION:  Levels of Epidermal Growth Factor Receptors
;  FILE REFERENCE: MBHB00-958-I (400/018)
;  CURRENT APPLICATION NUMBER: US/09/848,754A
;  CURRENT FILING DATE:  2001-05-03
;  NUMBER OF SEQ ID NOS: 9645
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 775
;  LENGTH: 17
;  TYPE: RNA
;  ORGANISM: Homo sapiens
US-09-848-754A-775

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 4.5e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        514 TTCCTGGTTAAATTTGA 530
              ||||| | |||||| ||
Db         17 TTCCTTGATAAATTGGA 1


RESULT 421
US-09-848-754A-2525/c
; Sequence 2525, Application US/09848754A
; Publication No. US20030073207A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
;  TITLE OF INVENTION:  Levels of Epidermal Growth Factor Receptors
;  FILE REFERENCE: MBHB00-958-I (400/018)
;  CURRENT APPLICATION NUMBER: US/09/848,754A
;  CURRENT FILING DATE:  2001-05-03
;  NUMBER OF SEQ ID NOS: 9645
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2525
;  LENGTH: 17
;  TYPE: RNA
;  ORGANISM: Homo sapiens
US-09-848-754A-2525

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 4.5e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1436 ATTTCTTGCTGGTTGAA 1452
              | || |||||||||| |
Db         17 AATTGTTGCTGGTTGCA 1


RESULT 422
US-09-848-754A-2813
; Sequence 2813, Application US/09848754A
; Publication No. US20030073207A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relat
;  TITLE OF INVENTION:  Levels of Epidermal Growth Factor Receptors
;  FILE REFERENCE: MBHB00-958-I (400/018)
;  CURRENT APPLICATION NUMBER: US/09/848,754A
;  CURRENT FILING DATE:  2001-05-03
;  NUMBER OF SEQ ID NOS: 9645
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2813
;  LENGTH: 17
;  TYPE: RNA
;  ORGANISM: Homo sapiens
US-09-848-754A-2813

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   58.8%;  Pred. No. 4.5e+02;
  Matches   10;  Conservative    4;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1603 AATATGAAACATTTAAA 1619
              ||:|: ||||| :: ||
Db          1 AAUAUUAAACACUUCAA 17


RESULT 423
US-09-848-754A-3039/c
; Sequence 3039, Application US/09848754A
; Publication No. US20030073207A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relat
;  TITLE OF INVENTION:  Levels of Epidermal Growth Factor Receptors
;  FILE REFERENCE: MBHB00-958-I (400/018)
;  CURRENT APPLICATION NUMBER: US/09/848,754A
;  CURRENT FILING DATE:  2001-05-03
;  NUMBER OF SEQ ID NOS: 9645
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3039
;  LENGTH: 17
;  TYPE: RNA
;  ORGANISM: Homo sapiens
US-09-848-754A-3039

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 4.5e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1316 AATCCTAGTTTGATACT 1332
              || |||||||| ||| |
Db         17 AACCCTAGTTTCATATT 1


RESULT 424
US-09-848-754A-3713
; Sequence 3713, Application US/09848754A
; Publication No. US20030073207A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
;  TITLE OF INVENTION:  Levels of Epidermal Growth Factor Receptors
;  FILE REFERENCE: MBHB00-958-I (400/018)
;  CURRENT APPLICATION NUMBER: US/09/848,754A
;  CURRENT FILING DATE:  2001-05-03
;  NUMBER OF SEQ ID NOS: 9645
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3713
;  LENGTH: 17
;  TYPE: RNA
;  ORGANISM: Homo sapiens
US-09-848-754A-3713

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   58.8%;  Pred. No. 4.5e+02;
  Matches   10;  Conservative    4;  Mismatches    3;  Indels    0;  Gaps    0;
```

```
Qy       1082 AGAATTTGGAAAAATAG 1098
              || |:::||| ||:||
Db          1 AGCAUUUGGACCAAUAG 17


RESULT 425
US-09-943-983-84/c
; Sequence 84, Application US/09943983
; Publication No. US20030077575A1
;   GENERAL INFORMATION:
;        APPLICANT: STUYVER, LIEVEN
;                   LOUWAGIE, JOOST
;                   ROSSAU, RUDI
;        TITLE OF INVENTION: METHOD FOR DETECTION OF DRUG-INDUCED
;                            MUTATIONS IN THE REVERSE TRANSCRIPTASE GENE
;        NUMBER OF SEQUENCES: 164
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: ARNOLD, WHITE & DURKEE
;             STREET: P.O. BOX 4433
;             CITY: HOUSTON
;             STATE: TEXAS
;             COUNTRY: USA
;             ZIP: 77210-4433
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: Microsoft Word 6.0 / ASCII text output
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/943,983
;             FILING DATE: 31-Aug-2001
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: 08/913,833
;             FILING DATE: 1997-09-15
;             APPLICATION NUMBER: EP 96870005.4
;             FILING DATE: 26 Jan 1996
;             APPLICATION NUMBER: EP 96870081.5
;             FILING DATE: 25 Jun 1996
;        ATTORNEY/AGENT INFORMATION:
;             NAME: KAMMERER, PATRICIA A.
;             REGISTRATION NUMBER: 29,775
;             REFERENCE/DOCKET NUMBER: INNS:008
;    INFORMATION FOR SEQ ID NO: 84:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 17 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        MOLECULE TYPE: DNA (genomic)
;        HYPOTHETICAL: NO
;        ANTI-SENSE: NO
;        SEQUENCE DESCRIPTION: SEQ ID NO: 84:
US-09-943-983-84

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 4.5e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1043 ATTATTTATGTATTTAT 1059
              || || |||||||| ||
Db         17 ATCATCTATGTATTGAT 1


RESULT 426
US-09-776-474-421
; Sequence 421, Application US/09776474
; Publication No. US20030087847A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Jarvis, Thale
;  APPLICANT:  Booher, Robert
;  APPLICANT:  Holman, Patricia
;  APPLICANT:  Fattaey, Ali
;  APPLICANT:  McSwiggen, Jim
;  TITLE OF INVENTION: Method and Reagent for the Inhibition of Checkpoint Kinase-1 (CH
;  TITLE OF INVENTION:  Enzyme
;  FILE REFERENCE: MBHB00-955-A (400/008)
;  CURRENT APPLICATION NUMBER: US/09/776,474
;  CURRENT FILING DATE:  2001-02-02
;  PRIOR APPLICATION NUMBER: US 60/179,983
;  PRIOR FILING DATE: 2000-03-02
;  NUMBER OF SEQ ID NOS: 2992
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 421
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  Nucleic Acid
US-09-776-474-421

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   52.9%;  Pred. No. 4.5e+02;
  Matches    9;  Conservative    5;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        949 TACCTCACAGTGATGTT 965
              :| |:||||| ||: ::
Db          1 UAACUCACAGGGAUAUU 17


RESULT 427
US-09-776-474-840
; Sequence 840, Application US/09776474
; Publication No. US20030087847A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Jarvis, Thale
;  APPLICANT:  Booher, Robert
;  APPLICANT:  Holman, Patricia
;  APPLICANT:  Fattaey, Ali
;  APPLICANT:  McSwiggen, Jim
;  TITLE OF INVENTION: Method and Reagent for the Inhibition of Checkpoint Kinase-1 (CH
;  TITLE OF INVENTION:  Enzyme
;  FILE REFERENCE: MBHB00-955-A (400/008)
;  CURRENT APPLICATION NUMBER: US/09/776,474
;  CURRENT FILING DATE:  2001-02-02
;  PRIOR APPLICATION NUMBER: US 60/179,983
;  PRIOR FILING DATE: 2000-03-02
;  NUMBER OF SEQ ID NOS: 2992
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 840
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  Nucleic Acid
US-09-776-474-840

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   47.1%;  Pred. No. 4.5e+02;
  Matches    8;  Conservative    6;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        462 CACTTCATGTATTGTGT 478
              |||::|| |:  :|:|:
Db          1 CACUUCAGGUGGUGUGU 17


RESULT 428
US-09-930-423-47/c
; Sequence 47, Application US/09930423
; Publication No. US20030092003A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Blatt, Larry
;  APPLICANT:  McSwiggen, Jim
```

TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
FILE REFERENCE: MBHB00,918-A 400/027
CURRENT APPLICATION NUMBER: US/09/930,423
CURRENT FILING DATE: 2001-08-15
NUMBER OF SEQ ID NOS: 4553
SOFTWARE: PatentIn version 3.0
SEQ ID NO 47
LENGTH: 17
TYPE: RNA
ORGANISM: Homo Sapiens
S-09-930-423-47

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.5e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

y 952 CTCACAGTGATGTTGTG 968
b 17 CGCACAGTGACGTTGGG 1

ESULT 429
S-09-930-423-605/c
Sequence 605, Application US/09930423
Publication No. US20030092003A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Blatt, Larry
APPLICANT: McSwiggen, Jim
TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
FILE REFERENCE: MBHB00,918-A 400/027
CURRENT APPLICATION NUMBER: US/09/930,423
CURRENT FILING DATE: 2001-08-15
NUMBER OF SEQ ID NOS: 4553
SOFTWARE: PatentIn version 3.0
SEQ ID NO 605
LENGTH: 17
TYPE: RNA
ORGANISM: Homo Sapiens
S-09-930-423-605

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.5e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

y 797 TTTGCCATAAAGTCAAA 813
b 17 TTTACCAGAGAGTCAAA 1

ESULT 430
S-09-930-423-1272/c
Sequence 1272, Application US/09930423
Publication No. US20030092003A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Blatt, Larry
APPLICANT: McSwiggen, Jim
TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
FILE REFERENCE: MBHB00,918-A 400/027
CURRENT APPLICATION NUMBER: US/09/930,423
CURRENT FILING DATE: 2001-08-15
NUMBER OF SEQ ID NOS: 4553
SOFTWARE: PatentIn version 3.0
SEQ ID NO 1272
LENGTH: 17
TYPE: RNA
ORGANISM: Homo Sapiens
S-09-930-423-1272

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.5e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 862 TCTGCTAGCCAGGATCC 878
Db 17 TCTCCTAGCCAGAAACC 1

RESULT 431
US-09-930-423-1654/c
; Sequence 1654, Application US/09930423
; Publication No. US20030092003A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
; FILE REFERENCE: MBHB00,918-A 400/027
; CURRENT APPLICATION NUMBER: US/09/930,423
; CURRENT FILING DATE: 2001-08-15
; NUMBER OF SEQ ID NOS: 4553
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1654
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo Sapiens
US-09-930-423-1654

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.5e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 863 CTGCTAGCCAGGATCCA 879
Db 17 CTCCTAGCCAGAAACCA 1

RESULT 432
US-09-780-164-163/c
; Sequence 163, Application US/09780164
; Publication No. US20030092646A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for the Inhibition of CD20
; FILE REFERENCE: 400/010
; CURRENT APPLICATION NUMBER: US/09/780,164
; CURRENT FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/185,516
; PRIOR FILING DATE: 2000-02-28
; NUMBER OF SEQ ID NOS: 2603
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 163
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-780-164-163

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.5e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1175 ATTAGATAAATTTCAAT 1191
Db 17 ATTGGAATAATTTCAAT 1

RESULT 433
US-09-780-164-763
; Sequence 763, Application US/09780164
; Publication No. US20030092646A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry

```
  APPLICANT:  McSwiggen, Jim
  TITLE OF INVENTION: Method and Reagent for the Inhibition of CD20
  FILE REFERENCE: 400/010
  CURRENT APPLICATION NUMBER: US/09/780,164
  CURRENT FILING DATE:  2001-02-09
  PRIOR APPLICATION NUMBER: 60/185,516
  PRIOR FILING DATE: 2000-02-28
  NUMBER OF SEQ ID NOS: 2603
  SOFTWARE: PatentIn version 3.0
 SEQ ID NO 763
   LENGTH: 17
   TYPE: RNA
   ORGANISM: Homo sapiens
IS-09-780-164-763

 Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
 Best Local Similarity   64.7%;  Pred. No. 4.5e+02;
 Matches   11;  Conservative    3;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        444 CAAGCAAATCTACTTCA 460
              || ||||| |: |::||
Db          1 CACGCAAAGCUUCUUCA 17


RESULT 434
IS-09-780-164-844/c
  Sequence 844, Application US/09780164
  Publication No. US20030092646A1
  GENERAL INFORMATION:
   APPLICANT: Ribozyme Pharmaceuticals, Inc.
   APPLICANT:  Blatt, Larry
   APPLICANT:  McSwiggen, Jim
   TITLE OF INVENTION: Method and Reagent for the Inhibition of CD20
   FILE REFERENCE: 400/010
   CURRENT APPLICATION NUMBER: US/09/780,164
   CURRENT FILING DATE:  2001-02-09
   PRIOR APPLICATION NUMBER: 60/185,516
   PRIOR FILING DATE: 2000-02-28
   NUMBER OF SEQ ID NOS: 2603
   SOFTWARE: PatentIn version 3.0
  SEQ ID NO 844
     LENGTH: 17
     TYPE: RNA
     ORGANISM: Homo sapiens
US-09-780-164-844

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 4.5e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        609 TGAATCTACAAAAAACA 625
              ||  | ||||||||||||
Db         17 TGTTTTTACAAAAAACA 1


RESULT 435
US-09-780-164-907
  Sequence 907, Application US/09780164
  Publication No. US20030092646A1
  GENERAL INFORMATION:
   APPLICANT: Ribozyme Pharmaceuticals, Inc.
   APPLICANT:  Blatt, Larry
   APPLICANT:  McSwiggen, Jim
   TITLE OF INVENTION: Method and Reagent for the Inhibition of CD20
   FILE REFERENCE: 400/010
   CURRENT APPLICATION NUMBER: US/09/780,164
   CURRENT FILING DATE:  2001-02-09
   PRIOR APPLICATION NUMBER: 60/185,516
   PRIOR FILING DATE: 2000-02-28
   NUMBER OF SEQ ID NOS: 2603
   SOFTWARE: PatentIn version 3.0
  SEQ ID NO 907
     LENGTH: 17
     TYPE: RNA
     ORGANISM: Homo sapiens
US-09-780-164-907

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   70.6%;  Pred. No. 4.5e+02;
  Matches   12;  Conservative    2;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        424 TGAAGATGCCAGTGAAA 440
              :||||| | || :||||
Db          1 UGAAGAAGACAUUGAAA 17


RESULT 436
US-09-923-327-170
  Sequence 170, Application US/09923327
  Publication No. US20030096236A1
  GENERAL INFORMATION:
   APPLICANT: MURPHY, Patricia D.
   TITLE OF INVENTION: Determining Common Functional Alleles in a Population and Uses T
   FILE REFERENCE: 044921-5054-02
   CURRENT APPLICATION NUMBER: US/09/923,327
   CURRENT FILING DATE:  2002-04-01
   PRIOR APPLICATION NUMBER: US 08/598,591
   PRIOR FILING DATE: 1996-02-12
   PRIOR APPLICATION NUMBER: US 08/798,691
   PRIOR FILING DATE: 1997-02-12
   PRIOR APPLICATION NUMBER: US 08/905,772
   PRIOR FILING DATE: 1997-08-04
   PRIOR APPLICATION NUMBER: US 09/084,471
   PRIOR FILING DATE: 1998-05-22
   PRIOR APPLICATION NUMBER: US 09/129,134
   PRIOR FILING DATE: 1998-08-04
   PRIOR APPLICATION NUMBER: US 09/524,794
   PRIOR FILING DATE: 2000-03-14
   NUMBER OF SEQ ID NOS: 260
   SOFTWARE: PatentIn version 3.1
  SEQ ID NO 170
     LENGTH: 17
     TYPE: DNA
     ORGANISM: Homo sapiens
US-09-923-327-170

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 4.5e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        427 AGATGCCAGTGAAACTT 443
              | ||| ||||||| ||||
Db          1 ACATGACAGTGATACTT 17


RESULT 437
US-09-740-332-55/c
  Sequence 55, Application US/09740332
  Publication No. US20030125270A1
  GENERAL INFORMATION:
   APPLICANT: Ribozyme Pharmaceuticals Inc.
   TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relat
   TITLE OF INVENTION:  Hepatitis C Virus Infection
   FILE REFERENCE: RPI 400/003
   CURRENT APPLICATION NUMBER: US/09/740,332
   CURRENT FILING DATE:  2001-03-26
   NUMBER OF SEQ ID NOS: 9704
   SOFTWARE: PatentIn version 3.0
  SEQ ID NO 55
     LENGTH: 17
     TYPE: RNA
     ORGANISM: artificial sequence
     FEATURE:
     NAME/KEY: misc_feature
     LOCATION:
     OTHER INFORMATION: oligonucleotide substrate
```

S-09-740-332-55

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.5e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

y 853 CAACCCTAGTCTGCTAG 869
||||.|||.||.|||||
b 17 CAACACTACTCGGCTAG 1

ESULT 438
S-09-740-332-507/c
Sequence 507, Application US/09740332
Publication No. US20030125270A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals Inc.
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
TITLE OF INVENTION: Hepatitis C Virus Infection
FILE REFERENCE: RPI 400/003
CURRENT APPLICATION NUMBER: US/09/740,332
CURRENT FILING DATE: 2001-03-26
NUMBER OF SEQ ID NOS: 9704
SOFTWARE: PatentIn version 3.0
SEQ ID NO 507
LENGTH: 17
TYPE: RNA
ORGANISM: artificial sequence
FEATURE:
NAME/KEY: misc_feature
LOCATION:
OTHER INFORMATION: oligonucleotide substrate
S-09-740-332-507

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.5e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

y 654 CCTAGATATTGCACGGG 670
||.|||.|||||||||
b 17 CCCCGATGTTGCACGGG 1

ESULT 439
S-09-745-237A-47/c
Sequence 47, Application US/09745237A
Publication No. US20030143708A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Blatt, Larry
APPLICANT: McSwiggen, Jim
TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
FILE REFERENCE: 400/007 (MBHB00-918-A)
CURRENT APPLICATION NUMBER: US/09/745,237A
CURRENT FILING DATE: 2002-04-15
NUMBER OF SEQ ID NOS: 4550
SOFTWARE: PatentIn version 3.0
SEQ ID NO 47
LENGTH: 17
TYPE: RNA
ORGANISM: Homo sapiens
S-09-745-237A-47

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.5e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

y 952 CTCACAGTGATGTTGTG 968
|.|||||||.||||.|
b 17 CGCACAGTGACGTTGGG 1

ESULT 440

US-09-745-237A-605/c
; Sequence 605, Application US/09745237A
; Publication No. US20030143708A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
; FILE REFERENCE: 400/007 (MBHB00-918-A)
; CURRENT APPLICATION NUMBER: US/09/745,237A
; CURRENT FILING DATE: 2002-04-15
; NUMBER OF SEQ ID NOS: 4550
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 605
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-745-237A-605

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.5e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 797 TTTGCCATAAAGTCAAA 813
|||.|||.|.|||||||
Db 17 TTTACCAGAGAGTCAAA 1

RESULT 441
US-09-745-237A-1272/c
; Sequence 1272, Application US/09745237A
; Publication No. US20030143708A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
; FILE REFERENCE: 400/007 (MBHB00-918-A)
; CURRENT APPLICATION NUMBER: US/09/745,237A
; CURRENT FILING DATE: 2002-04-15
; NUMBER OF SEQ ID NOS: 4550
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1272
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-745-237A-1272

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.5e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 862 TCTGCTAGCCAGGATCC 878
|||.|||||||.|.||
Db 17 TCTCCTAGCCAGAAACC 1

RESULT 442
US-09-745-237A-1654/c
; Sequence 1654, Application US/09745237A
; Publication No. US20030143708A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
; FILE REFERENCE: 400/007 (MBHB00-918-A)
; CURRENT APPLICATION NUMBER: US/09/745,237A
; CURRENT FILING DATE: 2002-04-15
; NUMBER OF SEQ ID NOS: 4550
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1654
; LENGTH: 17

```
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-745-237A-1654

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 4.5e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        863 CTGCTAGCCAGGATCCA 879
              || |||||||| | |||
Db         17 CTCCTAGCCAGAAACCA 1


RESULT 443
US-09-792-818-243
; Sequence 243, Application US/09792818
; Publication No. US20030134806A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Jarvis, Thale
;  APPLICANT:  Von Carlowitz, Ira
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Hamblin, Paul
;  APPLICANT:  Ellis, Jonathan
;  TITLE OF INVENTION: Method and Reagent for the Inhibition of Grb-2-related with Inser
;  TITLE OF INVENTION:  (GRID) Gene
;  FILE REFERENCE: MBHB00-901-A (400/013)
;  CURRENT APPLICATION NUMBER: US/09/792,818
;  CURRENT FILING DATE:  2001-02-23
;  NUMBER OF SEQ ID NOS: 2304
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 243
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-792-818-243

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   52.9%;  Pred. No. 4.5e+02;
  Matches    9;  Conservative    5;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1071 ATATTTGTGCAAGAATT 1087
              |:|: :|  ||||||::
Db          1 AUAUGUGCCCAAGAAUU 17


RESULT 444
US-09-792-818-244
; Sequence 244, Application US/09792818
; Publication No. US20030134806A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Jarvis, Thale
;  APPLICANT:  Von Carlowitz, Ira
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Hamblin, Paul
;  APPLICANT:  Ellis, Jonathan
;  TITLE OF INVENTION: Method and Reagent for the Inhibition of Grb-2-related with Inser
;  TITLE OF INVENTION:  (GRID) Gene
;  FILE REFERENCE: MBHB00-901-A (400/013)
;  CURRENT APPLICATION NUMBER: US/09/792,818
;  CURRENT FILING DATE:  2001-02-23
;  NUMBER OF SEQ ID NOS: 2304
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 244
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-792-818-244

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   47.1%;  Pred. No. 4.5e+02;
  Matches    8;  Conservative    6;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1072 TATTTGTGCAAGAATTT 1088
              :|: :|  ||||||:::
Db          1 UAUGUGCCCAAGAAUUU 17


RESULT 445
US-09-792-818-558
; Sequence 558, Application US/09792818
; Publication No. US20030134806A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Jarvis, Thale
;  APPLICANT:  Von Carlowitz, Ira
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Hamblin, Paul
;  APPLICANT:  Ellis, Jonathan
;  TITLE OF INVENTION: Method and Reagent for the Inhibition of Grb-2-related with Inse
;  TITLE OF INVENTION:  (GRID) Gene
;  FILE REFERENCE: MBHB00-901-A (400/013)
;  CURRENT APPLICATION NUMBER: US/09/792,818
;  CURRENT FILING DATE:  2001-02-23
;  NUMBER OF SEQ ID NOS: 2304
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 558
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-792-818-558

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   58.8%;  Pred. No. 4.5e+02;
  Matches   10;  Conservative    4;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1622 ATAATTTGTTGTCAAAG 1638
              |:|| : | :|:|||||
Db          1 AUAACUCGGUGUCAAAG 17


RESULT 446
US-09-792-818-586
; Sequence 586, Application US/09792818
; Publication No. US20030134806A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Jarvis, Thale
;  APPLICANT:  Von Carlowitz, Ira
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Hamblin, Paul
;  APPLICANT:  Ellis, Jonathan
;  TITLE OF INVENTION: Method and Reagent for the Inhibition of Grb-2-related with Inse
;  TITLE OF INVENTION:  (GRID) Gene
;  FILE REFERENCE: MBHB00-901-A (400/013)
;  CURRENT APPLICATION NUMBER: US/09/792,818
;  CURRENT FILING DATE:  2001-02-23
;  NUMBER OF SEQ ID NOS: 2304
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 586
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-792-818-586

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   76.5%;  Pred. No. 4.5e+02;
  Matches   13;  Conservative    1;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1407 CAGCCAAAACTCCACAG 1423
              |||||| | |:|| |||
Db          1 CAGCCAGAGCUCCCCAG 17


RESULT 447
```

S-10-310-294-53/c
Sequence 53, Application US/10310294
Publication No. US20030148985A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Morrissey, Dave
APPLICANT: McSwiggen, James
TITLE OF INVENTION: METHOD AND REAGENT FOR THE INHIBITION OF HEPATITIS B VIRUS REPLIC
FILE REFERENCE: 01,1728-A 400/072
CURRENT APPLICATION NUMBER: US/10/310,294
CURRENT FILING DATE: 2002-12-05
NUMBER OF SEQ ID NOS: 128
SOFTWARE: PatentIn version 3.0
SEQ ID NO 53
LENGTH: 17
TYPE: RNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: HBV Decoy Nucleic Acid
S-10-310-294-53

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.5e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1103 TGAATCATTGATTGAAT 1119
||||| | ||| |||||
Db 17 TGAATGAATGAATGAAT 1

ESULT 448
S-10-310-294-56/c
Sequence 56, Application US/10310294
Publication No. US20030148985A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Morrissey, Dave
APPLICANT: McSwiggen, James
TITLE OF INVENTION: METHOD AND REAGENT FOR THE INHIBITION OF HEPATITIS B VIRUS REPLIC
FILE REFERENCE: 01,1728-A 400/072
CURRENT APPLICATION NUMBER: US/10/310,294
CURRENT FILING DATE: 2002-12-05
NUMBER OF SEQ ID NOS: 128
SOFTWARE: PatentIn version 3.0
SEQ ID NO 56
LENGTH: 17
TYPE: RNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: HBV Decoy Nucleic Acid
3-10-310-294-56

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.5e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1102 ATGAATCATTGATTGAA 1118
|||||| | ||| ||||
Db 17 ATGAATGAATGAATGAA 1

3SULT 449
3-10-238-700-146/c
Sequence 146, Application US/10238700
Publication No. US20030153521A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, James
TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Level
FILE REFERENCE: 400/057 (MBHB01-1158-A)
CURRENT APPLICATION NUMBER: US/10/238,700
CURRENT FILING DATE: 2002-09-18
PRIOR APPLICATION NUMBER: PCT/US 02/16840
; PRIOR FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: US 60/318,471
; PRIOR FILING DATE: 2001-09-10
; NUMBER OF SEQ ID NOS: 4666
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 146
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-238-700-146

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.5e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1330 ACTCCCAGTCTTGTCAT 1346
|| ||| |||||||| |
Db 17 ACACCCTGTCTTGTCTT 1

RESULT 450
US-10-238-700-207/c
; Sequence 207, Application US/10238700
; Publication No. US20030153521A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Level
; FILE REFERENCE: 400/057 (MBHB01-1158-A)
; CURRENT APPLICATION NUMBER: US/10/238,700
; CURRENT FILING DATE: 2002-09-18
; PRIOR APPLICATION NUMBER: PCT/US 02/16840
; PRIOR FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: US 60/318,471
; PRIOR FILING DATE: 2001-09-10
; NUMBER OF SEQ ID NOS: 4666
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 207
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-238-700-207

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.5e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 636 TTTGAATATAAGGATTT 652
||| || ||||| ||||
Db 17 TTTTAAAATAAGCATTT 1

RESULT 451
US-10-238-700-429
; Sequence 429, Application US/10238700
; Publication No. US20030153521A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Level
; FILE REFERENCE: 400/057 (MBHB01-1158-A)
; CURRENT APPLICATION NUMBER: US/10/238,700
; CURRENT FILING DATE: 2002-09-18
; PRIOR APPLICATION NUMBER: PCT/US 02/16840
; PRIOR FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: US 60/318,471
; PRIOR FILING DATE: 2001-09-10
; NUMBER OF SEQ ID NOS: 4666
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 429
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens

JS-10-238-700-429

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 47.1%; Pred. No. 4.5e+02;
Matches 8; Conservative 6; Mismatches 3; Indels 0; Gaps 0;

Qy 1353 CTGTGTTGGTAGTGCTG 1369
|:|:| :||: :||:|
Db 1 CUGUGGUGGUCCUGCUG 17

RESULT 452
JS-10-238-700-442
; Sequence 442, Application US/10238700
; Publication No. US20030153521A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Level
; FILE REFERENCE: 400/057 (MBHB01-1158-A)
; CURRENT APPLICATION NUMBER: US/10/238,700
; CURRENT FILING DATE: 2002-09-18
; PRIOR APPLICATION NUMBER: PCT/US 02/16840
; PRIOR FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: US 60/318,471
; PRIOR FILING DATE: 2001-09-10
; NUMBER OF SEQ ID NOS: 4666
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 442
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-238-700-442

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 35.3%; Pred. No. 4.5e+02;
Matches 6; Conservative 8; Mismatches 3; Indels 0; Gaps 0;

Qy 1152 TTTTAGATATTAAATGA 1168
:::::| |:|::|| : |
Db 1 UUUUAAAUAUUAACUCA 17

RESULT 453
US-10-238-700-466
; Sequence 466, Application US/10238700
; Publication No. US20030153521A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Level
; FILE REFERENCE: 400/057 (MBHB01-1158-A)
; CURRENT APPLICATION NUMBER: US/10/238,700
; CURRENT FILING DATE: 2002-09-18
; PRIOR APPLICATION NUMBER: PCT/US 02/16840
; PRIOR FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: US 60/318,471
; PRIOR FILING DATE: 2001-09-10
; NUMBER OF SEQ ID NOS: 4666
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 466
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-238-700-466

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 41.2%; Pred. No. 4.5e+02;
Matches 7; Conservative 7; Mismatches 3; Indels 0; Gaps 0;

Qy 517 CTGGTTAAATTTGAATT 533
|:||::|||:: |::
Db 1 CUGGUUAAAUUAACAUU 17

RESULT 454
US-10-238-700-485
; Sequence 485, Application US/10238700
; Publication No. US20030153521A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Leve
; FILE REFERENCE: 400/057 (MBHB01-1158-A)
; CURRENT APPLICATION NUMBER: US/10/238,700
; CURRENT FILING DATE: 2002-09-18
; PRIOR APPLICATION NUMBER: PCT/US 02/16840
; PRIOR FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: US 60/318,471
; PRIOR FILING DATE: 2001-09-10
; NUMBER OF SEQ ID NOS: 4666
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 485
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-238-700-485

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 47.1%; Pred. No. 4.5e+02;
Matches 8; Conservative 6; Mismatches 3; Indels 0; Gaps 0;

Qy 1605 TATGAAACATTTAAAAT 1621
: :|| | |:::|||||:
Db 1 UUUGAUAAAUUUAAAAU 17

RESULT 455
US-10-238-700-487
; Sequence 487, Application US/10238700
; Publication No. US20030153521A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Leve
; FILE REFERENCE: 400/057 (MBHB01-1158-A)
; CURRENT APPLICATION NUMBER: US/10/238,700
; CURRENT FILING DATE: 2002-09-18
; PRIOR APPLICATION NUMBER: PCT/US 02/16840
; PRIOR FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: US 60/318,471
; PRIOR FILING DATE: 2001-09-10
; NUMBER OF SEQ ID NOS: 4666
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 487
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-238-700-487

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 35.3%; Pred. No. 4.5e+02;
Matches 6; Conservative 8; Mismatches 3; Indels 0; Gaps 0;

Qy 1016 TTTCAAGTGTAACTTAT 1032
::: || :|: ||::|:
Db 1 UUUAAAAUGUUACUUAU 17

RESULT 456
US-10-238-700-487/c
; Sequence 487, Application US/10238700
; Publication No. US20030153521A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, James

```
  TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Level
  FILE REFERENCE: 400/057  (MBHB01-1158-A)
  CURRENT APPLICATION NUMBER: US/10/238,700
  CURRENT FILING DATE:  2002-09-18
  PRIOR APPLICATION NUMBER: PCT/US 02/16840
  PRIOR FILING DATE: 2002-05-29
  PRIOR APPLICATION NUMBER: US 60/318,471
  PRIOR FILING DATE: 2001-09-10
  NUMBER OF SEQ ID NOS: 4666
  SOFTWARE: PatentIn version 3.0
 SEQ ID NO 487
   LENGTH: 17
   TYPE: RNA
   ORGANISM: Homo sapiens
S-10-238-700-487

 Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
 Best Local Similarity   82.4%;  Pred. No. 4.5e+02;
 Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

y       1604 ATATGAAACATTTAAAA 1620
             ||| | ||||||| |||
b         17 ATAAGTAACATTTTAAA 1


ESULT 457
S-10-238-700-530/c
 Sequence 530, Application US/10238700
 Publication No. US20030153521A1
 GENERAL INFORMATION:
  APPLICANT: Ribozyme Pharmaceuticals, Inc.
  APPLICANT:  McSwiggen, James
  TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Level
  FILE REFERENCE: 400/057  (MBHB01-1158-A)
  CURRENT APPLICATION NUMBER: US/10/238,700
  CURRENT FILING DATE:  2002-09-18
  PRIOR APPLICATION NUMBER: PCT/US 02/16840
  PRIOR FILING DATE: 2002-05-29
  PRIOR APPLICATION NUMBER: US 60/318,471
  PRIOR FILING DATE: 2001-09-10
  NUMBER OF SEQ ID NOS: 4666
  SOFTWARE: PatentIn version 3.0
 SEQ ID NO 530
   LENGTH: 17
   TYPE: RNA
   ORGANISM: Homo sapiens
IS-10-238-700-530

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 4.5e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

)y       1093 AAATAGAAGATGAATCA 1109
              |||| ||| || |||||
)b         17 AAATGGAATATAAATCA 1


RESULT 458
JS-10-238-700-582/c
; Sequence 582, Application US/10238700
; Publication No. US20030153521A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, James
;  TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Level
;  FILE REFERENCE: 400/057  (MBHB01-1158-A)
;  CURRENT APPLICATION NUMBER: US/10/238,700
;  CURRENT FILING DATE:  2002-09-18
;  PRIOR APPLICATION NUMBER: PCT/US 02/16840
;  PRIOR FILING DATE: 2002-05-29
;  PRIOR APPLICATION NUMBER: US 60/318,471
;  PRIOR FILING DATE: 2001-09-10
;  NUMBER OF SEQ ID NOS: 4666
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 582
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-10-238-700-582

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 4.5e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1393 TAGAACTATTAAAACAG 1409
              || || |||||||||  |
Db         17 TACAAGTATTAAAACTG 1


RESULT 459
US-10-238-700-619/c
; Sequence 619, Application US/10238700
; Publication No. US20030153521A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, James
;  TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Leve
;  FILE REFERENCE: 400/057  (MBHB01-1158-A)
;  CURRENT APPLICATION NUMBER: US/10/238,700
;  CURRENT FILING DATE:  2002-09-18
;  PRIOR APPLICATION NUMBER: PCT/US 02/16840
;  PRIOR FILING DATE: 2002-05-29
;  PRIOR APPLICATION NUMBER: US 60/318,471
;  PRIOR FILING DATE: 2001-09-10
;  NUMBER OF SEQ ID NOS: 4666
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 619
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-10-238-700-619

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 4.5e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        932 AGTATTAGCCACCATCT 948
              || || |||||||| ||
Db         17 AGCATCAGCCACCACCT 1


RESULT 460
US-10-238-700-732
; Sequence 732, Application US/10238700
; Publication No. US20030153521A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, James
;  TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Level
;  FILE REFERENCE: 400/057  (MBHB01-1158-A)
;  CURRENT APPLICATION NUMBER: US/10/238,700
;  CURRENT FILING DATE:  2002-09-18
;  PRIOR APPLICATION NUMBER: PCT/US 02/16840
;  PRIOR FILING DATE: 2002-05-29
;  PRIOR APPLICATION NUMBER: US 60/318,471
;  PRIOR FILING DATE: 2001-09-10
;  NUMBER OF SEQ ID NOS: 4666
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 732
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-10-238-700-732

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   47.1%;  Pred. No. 4.5e+02;
```

Matches 8; Conservative 6; Mismatches 3; Indels 0; Gaps 0;

```
Qy       1059 TTTAAGCATCAAATATT 1075
              :::|  || ||||:|::
Db          1 UUUAUUCAGCAAAUAUU 17
```

RESULT 461
US-10-238-700-734
; Sequence 734, Application US/10238700
; Publication No. US20030153521A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Level
; FILE REFERENCE: 400/057 (MBHB01-1158-A)
; CURRENT APPLICATION NUMBER: US/10/238,700
; CURRENT FILING DATE: 2002-09-18
; PRIOR APPLICATION NUMBER: PCT/US 02/16840
; PRIOR FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: US 60/318,471
; PRIOR FILING DATE: 2001-09-10
; NUMBER OF SEQ ID NOS: 4666
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 734
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-238-700-734

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 52.9%; Pred. No. 4.5e+02;
Matches 9; Conservative 5; Mismatches 3; Indels 0; Gaps 0;

```
Qy        624 CAACAAATAATTTTTGA 640
              || ||||:| :: ::||
Db          1 CAGCAAAUAUUUAUUGA 17
```

RESULT 462
US-10-238-700-792
; Sequence 792, Application US/10238700
; Publication No. US20030153521A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Level
; FILE REFERENCE: 400/057 (MBHB01-1158-A)
; CURRENT APPLICATION NUMBER: US/10/238,700
; CURRENT FILING DATE: 2002-09-18
; PRIOR APPLICATION NUMBER: PCT/US 02/16840
; PRIOR FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: US 60/318,471
; PRIOR FILING DATE: 2001-09-10
; NUMBER OF SEQ ID NOS: 4666
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 792
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-238-700-792

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 64.7%; Pred. No. 4.5e+02;
Matches 11; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

```
Qy        426 AAGATGCCAGTGAAACT 442
              | ||: ||| :|||||:
Db          1 ACGAUUCCACUGAAACU 17
```

RESULT 463
US-10-238-700-799
; Sequence 799, Application US/10238700
; Publication No. US20030153521A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Leve
; FILE REFERENCE: 400/057 (MBHB01-1158-A)
; CURRENT APPLICATION NUMBER: US/10/238,700
; CURRENT FILING DATE: 2002-09-18
; PRIOR APPLICATION NUMBER: PCT/US 02/16840
; PRIOR FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: US 60/318,471
; PRIOR FILING DATE: 2001-09-10
; NUMBER OF SEQ ID NOS: 4666
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 799
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-238-700-799

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 47.1%; Pred. No. 4.5e+02;
Matches 8; Conservative 6; Mismatches 3; Indels 0; Gaps 0;

```
Qy       1488 TTATTTAAATGACTGCA 1504
              ::|: :|||: ||: ||
Db          1 UUAUGUAAAUCACUUCA 17
```

RESULT 464
US-10-238-700-844/c
; Sequence 844, Application US/10238700
; Publication No. US20030153521A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Leve
; FILE REFERENCE: 400/057 (MBHB01-1158-A)
; CURRENT APPLICATION NUMBER: US/10/238,700
; CURRENT FILING DATE: 2002-09-18
; PRIOR APPLICATION NUMBER: PCT/US 02/16840
; PRIOR FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: US 60/318,471
; PRIOR FILING DATE: 2001-09-10
; NUMBER OF SEQ ID NOS: 4666
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 844
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-238-700-844

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.5e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```
Qy       1257 ACAAATAATTTTTTAGT 1273
              || | |||||||| |||
Db         17 ACTATTAATTTTTAAGT 1
```

RESULT 465
US-10-238-700-911
; Sequence 911, Application US/10238700
; Publication No. US20030153521A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Leve
; FILE REFERENCE: 400/057 (MBHB01-1158-A)
; CURRENT APPLICATION NUMBER: US/10/238,700
; CURRENT FILING DATE: 2002-09-18

```
   PRIOR APPLICATION NUMBER: PCT/US 02/16840
   PRIOR FILING DATE: 2002-05-29
   PRIOR APPLICATION NUMBER: US 60/318,471
   PRIOR FILING DATE: 2001-09-10
   NUMBER OF SEQ ID NOS: 4666
   SOFTWARE: PatentIn version 3.0
  SEQ ID NO 911
    LENGTH: 17
    TYPE: RNA
    ORGANISM: Homo sapiens
S-10-238-700-911

  Query Match              1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   35.3%;  Pred. No. 4.5e+02;
  Matches    6;  Conservative    8;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1290 TTATCTGAAATTTTAAT 1306
              ::|: :||| ::: ||:
Db          1 UUAUGUGAACUUUGAAU 17


RESULT 466
IS-10-238-700-923/c
; Sequence 923, Application US/10238700
; Publication No. US20030153521A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, James
;  TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Level
;  FILE REFERENCE: 400/057  (MBHB01-1158-A)
;  CURRENT APPLICATION NUMBER: US/10/238,700
;  CURRENT FILING DATE:  2002-09-18
;  PRIOR APPLICATION NUMBER: PCT/US 02/16840
;  PRIOR FILING DATE: 2002-05-29
;  PRIOR APPLICATION NUMBER: US 60/318,471
;  PRIOR FILING DATE: 2001-09-10
;  NUMBER OF SEQ ID NOS: 4666
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 923
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-10-238-700-923

  Query Match              1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 4.5e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1601 TAAATATGAAACATTTA 1617
              ||| || | ||||||||
Db         17 TAATTAGGTAACATTTA 1


RESULT 467
US-10-238-700-942
; Sequence 942, Application US/10238700
; Publication No. US20030153521A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, James
;  TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Level
;  FILE REFERENCE: 400/057  (MBHB01-1158-A)
;  CURRENT APPLICATION NUMBER: US/10/238,700
;  CURRENT FILING DATE:  2002-09-18
;  PRIOR APPLICATION NUMBER: PCT/US 02/16840
;  PRIOR FILING DATE: 2002-05-29
;  PRIOR APPLICATION NUMBER: US 60/318,471
;  PRIOR FILING DATE: 2001-09-10
;  NUMBER OF SEQ ID NOS: 4666
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 942
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-10-238-700-942

  Query Match              1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   52.9%;  Pred. No. 4.5e+02;
  Matches    9;  Conservative    5;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1069 AAATATTTGTGCAAGAA 1085
              | |: :::|:| |||||
Db          1 ACAUGUUUGUGGAAGAA 17


RESULT 468
US-10-238-700-1122/c
; Sequence 1122, Application US/10238700
; Publication No. US20030153521A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, James
;  TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Leve
;  FILE REFERENCE: 400/057  (MBHB01-1158-A)
;  CURRENT APPLICATION NUMBER: US/10/238,700
;  CURRENT FILING DATE:  2002-09-18
;  PRIOR APPLICATION NUMBER: PCT/US 02/16840
;  PRIOR FILING DATE: 2002-05-29
;  PRIOR APPLICATION NUMBER: US 60/318,471
;  PRIOR FILING DATE: 2001-09-10
;  NUMBER OF SEQ ID NOS: 4666
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1122
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-10-238-700-1122

  Query Match              1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 4.5e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1125 TAAAGATGTTATAGTAA 1141
              |||| |||||| | |||
Db         17 TAAACATGTTACATTAA 1


RESULT 469
US-10-238-700-1174
; Sequence 1174, Application US/10238700
; Publication No. US20030153521A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, James
;  TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Level
;  FILE REFERENCE: 400/057  (MBHB01-1158-A)
;  CURRENT APPLICATION NUMBER: US/10/238,700
;  CURRENT FILING DATE:  2002-09-18
;  PRIOR APPLICATION NUMBER: PCT/US 02/16840
;  PRIOR FILING DATE: 2002-05-29
;  PRIOR APPLICATION NUMBER: US 60/318,471
;  PRIOR FILING DATE: 2001-09-10
;  NUMBER OF SEQ ID NOS: 4666
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1174
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-10-238-700-1174

  Query Match              1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   35.3%;  Pred. No. 4.5e+02;
  Matches    6;  Conservative    8;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1533 ACTTTAAGATGTTTTTA 1549
              ||::: | |:|::: :|
```

```
Db          1 ACUUUUAAAUGUUUAUA 17


RESULT 470
JS-10-238-700-3376/c
; Sequence 3376, Application US/10238700
; Publication No. US20030153521A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, James
;  TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Level
;  FILE REFERENCE: 400/057  (MBHB01-1158-A)
;  CURRENT APPLICATION NUMBER: US/10/238,700
;  CURRENT FILING DATE:  2002-09-18
;  PRIOR APPLICATION NUMBER: PCT/US 02/16840
;  PRIOR FILING DATE: 2002-05-29
;  PRIOR APPLICATION NUMBER: US 60/318,471
;  PRIOR FILING DATE: 2001-09-10
;  NUMBER OF SEQ ID NOS: 4666
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3376
;  LENGTH: 17
;  TYPE: RNA
;  ORGANISM: Homo sapiens
JS-10-238-700-3376

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 4.5e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        431 GCCAGTGAAACTTCAAG 447
              ||||||| ||| | ||
Db         17 GCCAGTGACACTACCAG 1


RESULT 471
JS-10-061-201-864/c
; Sequence 864, Application US/10061201
; Publication No. US20030166229A1
; GENERAL INFORMATION:
;  APPLICANT: Shannon, Mark
;  TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
;  FILE REFERENCE: PB0178
;  CURRENT APPLICATION NUMBER: US/10/061,201
;  CURRENT FILING DATE:  2002-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00670
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 09/864,761
;  PRIOR FILING DATE: 2001-05-23
;  PRIOR APPLICATION NUMBER: US 60/328,205
;  PRIOR FILING DATE: 2001-10-10
;  NUMBER OF SEQ ID NOS: 4162
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 864
;  LENGTH: 17
;  TYPE: DNA
;  ORGANISM: Homo sapiens
JS-10-061-201-864

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 4.5e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1333 CCCAGTCTTGTCATTGC 1349
              | || ||||||| ||||
Db         17 CTCACTCTTGTCCTTGC 1


RESULT 472
US-10-061-201-865/c
; Sequence 865, Application US/10061201
; Publication No. US20030166229A1
; GENERAL INFORMATION:
;  APPLICANT: Shannon, Mark
;  TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
;  FILE REFERENCE: PB0178
;  CURRENT APPLICATION NUMBER: US/10/061,201
;  CURRENT FILING DATE:  2002-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00670
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 09/864,761
;  PRIOR FILING DATE: 2001-05-23
;  PRIOR APPLICATION NUMBER: US 60/328,205
;  PRIOR FILING DATE: 2001-10-10
;  NUMBER OF SEQ ID NOS: 4162
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 865
;  LENGTH: 17
;  TYPE: DNA
;  ORGANISM: Homo sapiens
US-10-061-201-865

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 4.5e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1332 TCCCAGTCTTGTCATTG 1348
              || || ||||||| |||
Db         17 TCTCACTCTTGTCCTTG 1


RESULT 473
US-10-061-201-992/c
; Sequence 992, Application US/10061201
; Publication No. US20030166229A1
; GENERAL INFORMATION:
;  APPLICANT: Shannon, Mark
;  TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
;  FILE REFERENCE: PB0178
;  CURRENT APPLICATION NUMBER: US/10/061,201
;  CURRENT FILING DATE:  2002-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
```

PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00670
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: US 09/864,761
PRIOR FILING DATE: 2001-05-23
PRIOR APPLICATION NUMBER: US 60/328,205
PRIOR FILING DATE: 2001-10-10
NUMBER OF SEQ ID NOS: 4162
SOFTWARE: Aeomica Sequence Listing Engine
SEQ ID NO 992
LENGTH: 17
TYPE: DNA
ORGANISM: Homo sapiens
3-10-061-201-992

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.5e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 607 TTTGAATCTACAAAAAA 623
|||| |||||||| ||
Db 17 TTTGGCTCTACAAACAA 1

RESULT 474
3-10-061-201-1589/c
Sequence 1589, Application US/10061201
Publication No. US20030166229A1
GENERAL INFORMATION:
APPLICANT: Shannon, Mark
TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
FILE REFERENCE: PB0178
CURRENT APPLICATION NUMBER: US/10/061,201
CURRENT FILING DATE: 2002-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00670
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: US 09/864,761
PRIOR FILING DATE: 2001-05-23
PRIOR APPLICATION NUMBER: US 60/328,205
PRIOR FILING DATE: 2001-10-10
NUMBER OF SEQ ID NOS: 4162
SOFTWARE: Aeomica Sequence Listing Engine
SEQ ID NO 1589
LENGTH: 17
TYPE: DNA
ORGANISM: Homo sapiens
3-10-061-201-1589

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.5e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1083 GAATTTGGAAAAATAGA 1099
|| | ||||||| ||||
Db 17 GAGTCTGGAAAACTAGA 1

RESULT 475
US-10-241-780-110
; Sequence 110, Application US/10241780
; Publication No. US20030165821A1
; GENERAL INFORMATION:
; APPLICANT: VAN DOORN, Leen-Jan et al.
; TITLE OF INVENTION: Detection and identification of Human Papillomavirus by PCR and t
; TITLE OF INVENTION: specific reverse hybridization.
; FILE REFERENCE: 3501-0101P
; CURRENT APPLICATION NUMBER: US/10/241,780
; CURRENT FILING DATE: 2002-09-11
; PRIOR APPLICATION NUMBER: 09/527,030
; PRIOR FILING DATE: 2000-03-16
; NUMBER OF SEQ ID NOS: 497
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 110
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Type specific probe derived from the Human Papillomavirus (HPV)
US-10-241-780-110

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.5e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1619 AATATAATTTGTTGTCA 1635
||| |||||||||| ||
Db 1 AATGGAATTTGTTGGCA 17

RESULT 476
US-10-339-782-148/c
; Sequence 148, Application US/10339782
; Publication No. US20030166026A1
; GENERAL INFORMATION:
; APPLICANT: Lynx Therapeutics, Inc.
; APPLICANT: Goodman, Laurie J
; APPLICANT: Bowen, Benjamin A
; TITLE OF INVENTION: Identification of Specific Biomarkers for Breast Cancer Cells
; FILE REFERENCE: 37-000110US
; CURRENT APPLICATION NUMBER: US/10/339,782
; CURRENT FILING DATE: 2003-01-08
; NUMBER OF SEQ ID NOS: 495
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 148
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-339-782-148

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.5e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1198 TTTTAGATTAAACAAAC 1214
|||||||||| || | |
Db 17 TTTTAGATTACACGATC 1

RESULT 477
US-10-339-782-296
; Sequence 296, Application US/10339782
; Publication No. US20030166026A1
; GENERAL INFORMATION:
; APPLICANT: Lynx Therapeutics, Inc.
; APPLICANT: Goodman, Laurie J
; APPLICANT: Bowen, Benjamin A

; TITLE OF INVENTION: Identification of Specific Biomarkers for Breast Cancer Cells
; FILE REFERENCE: 37-000110US
; CURRENT APPLICATION NUMBER: US/10/339,782
; CURRENT FILING DATE: 2003-01-08
; NUMBER OF SEQ ID NOS: 495
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 296
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-339-782-296

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.5e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 519 GGTTAAATTTGAATTTC 535
|| | |||||||| |||
Db 1 GATCAAATTTGAACTTC 17

RESULT 478
US-09-817-879-55/c
; Sequence 55, Application US/09817879
; Publication No. US20030171311A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
; TITLE OF INVENTION: Hepatitis C Virus Infection
; FILE REFERENCE: MBHB00-801-F
; CURRENT APPLICATION NUMBER: US/09/817,879
; CURRENT FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 9703
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 55
; LENGTH: 17
; TYPE: RNA
; ORGANISM: artificial sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
US-09-817-879-55

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.5e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 853 CAACCCTAGTCTGCTAG 869
|||| ||| || |||||
Db 17 CAACACTACTCGGCTAG 1

RESULT 479
US-09-817-879-507/c
; Sequence 507, Application US/09817879
; Publication No. US20030171311A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
; TITLE OF INVENTION: Hepatitis C Virus Infection
; FILE REFERENCE: MBHB00-801-F
; CURRENT APPLICATION NUMBER: US/09/817,879
; CURRENT FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 9703
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 507
; LENGTH: 17
; TYPE: RNA
; ORGANISM: artificial sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
US-09-817-879-507

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.5e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 654 CCTAGATATTGCACGGG 670
|| ||| |||||||||
Db 17 CCCCGATGTTGCACGGG 1

RESULT 480
US-10-305-765-18/c
; Sequence 18, Application US/10305765
; Publication No. US20030175907A1
; GENERAL INFORMATION:
; APPLICANT: FRAZER, Ian Hector
; APPLICANT: ZHOU, Jian
; TITLE OF INVENTION: NUCLEIC ACID SEQUENCE AND METHOD FOR SELECTIVELY
; TITLE OF INVENTION: EXPRESSING A PROTEIN IN A TARGET CELL OR TISSUE
; FILE REFERENCE: 210338.0001/1US
; CURRENT APPLICATION NUMBER: US/10/305,765
; CURRENT FILING DATE: 2002-11-27
; PRIOR APPLICATION NUMBER: US/09/479,645
; PRIOR FILING DATE: 2000-01-07
; PRIOR APPLICATION NUMBER: PCT/AU98/00530
; PRIOR FILING DATE: 1998-07-09
; PRIOR APPLICATION NUMBER: AU PO7765
; PRIOR FILING DATE: 1997-07-09
; PRIOR APPLICATION NUMBER: AU PO9467
; PRIOR FILING DATE: 1997-09-11
; NUMBER OF SEQ ID NOS: 219
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 18
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:
; OTHER INFORMATION: Oligonucleotide specific for Glu(GAA)
US-10-305-765-18

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.5e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1363 AGTGCTGTGTTGAATTA 1379
| |||||||| ||| ||
Db 17 AATGCTGTGTAGAAATA 1

RESULT 481
US-10-305-633-18/c
; Sequence 18, Application US/10305633
; Publication No. US20030182674A1
; GENERAL INFORMATION:
; APPLICANT: FRAZER, Ian Hector
; APPLICANT: ZHOU, Jian
; TITLE OF INVENTION: NUCLEIC ACID SEQUENCE AND METHOD FOR SELECTIVELY
; TITLE OF INVENTION: EXPRESSING A PROTEIN IN A TARGET CELL OR TISSUE
; FILE REFERENCE: 210338.0001/1US
; CURRENT APPLICATION NUMBER: US/10/305,633
; CURRENT FILING DATE: 2002-11-27
; PRIOR APPLICATION NUMBER: US/09/479,645
; PRIOR FILING DATE: 2000-01-07
; PRIOR APPLICATION NUMBER: PCT/AU98/00530
; PRIOR FILING DATE: 1998-07-09
; PRIOR APPLICATION NUMBER: AU PO7765
; PRIOR FILING DATE: 1997-07-09
; PRIOR APPLICATION NUMBER: AU PO9467
; PRIOR FILING DATE: 1997-09-11
; NUMBER OF SEQ ID NOS: 219

SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 18
LENGTH: 17
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence:
OTHER INFORMATION: Oligonucleotide specific for Glu(GAA)
S-10-305-633-18

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.5e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

y 1363 AGTGCTGTGTTGAATTA 1379
| |||||||| ||| ||
b 17 AATGCTGTGTAGAAATA 1

ESULT 482
S-10-230-006-1702
Sequence 1702, Application US/10230006
Publication No. US20030191077A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Fosnaugh, Kathy
APPLICANT: McSwiggen, Jim
TITLE OF INVENTION: METHOD AND REAGENT FOR THE TREATMENT OF ASTHMA AND ALLERGIC CONDI
FILE REFERENCE: 400/056 (MBHB01-1110)
CURRENT APPLICATION NUMBER: US/10/230,006
CURRENT FILING DATE: 2002-11-18
PRIOR APPLICATION NUMBER: US 60/315,315
PRIOR FILING DATE: 2001-08-28
NUMBER OF SEQ ID NOS: 2678
SOFTWARE: PatentIn version 3.0
SEQ ID NO 1702
LENGTH: 17
TYPE: RNA
ORGANISM: Homo sapiens
S-10-230-006-1702

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 35.3%; Pred. No. 4.5e+02;
Matches 6; Conservative 8; Mismatches 3; Indels 0; Gaps 0;

y 1291 TATCTGAAATTTTAATT 1307
:|:|:| |::: ||::
b 1 UAUCUGUGAUUUCAAUU 17

ESULT 483
S-10-230-006-2243/c
Sequence 2243, Application US/10230006
Publication No. US20030191077A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Fosnaugh, Kathy
APPLICANT: McSwiggen, Jim
TITLE OF INVENTION: METHOD AND REAGENT FOR THE TREATMENT OF ASTHMA AND ALLERGIC CONDI
FILE REFERENCE: 400/056 (MBHB01-1110)
CURRENT APPLICATION NUMBER: US/10/230,006
CURRENT FILING DATE: 2002-11-18
PRIOR APPLICATION NUMBER: US 60/315,315
PRIOR FILING DATE: 2001-08-28
NUMBER OF SEQ ID NOS: 2678
SOFTWARE: PatentIn version 3.0
SEQ ID NO 2243
LENGTH: 17
TYPE: RNA
ORGANISM: Homo sapiens
S-10-230-006-2243

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.5e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 944 CATCTTACCTCACAGTG 960
|| |||||| || ||||
Db 17 CAGCTTACCACAGAGTG 1

RESULT 484
US-10-209-787-563
; Sequence 563, Application US/10209787
; Publication No. US20030217377A1
; GENERAL INFORMATION:
; APPLICANT: Kmiec, Eric B.
; APPLICANT: Gamper, Howard B.
; APPLICANT: Rice, Michael C.
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
; TITLE OF INVENTION: Stranded Oligonucleotides
; FILE REFERENCE: Napro-4
; CURRENT APPLICATION NUMBER: US/10/209,787
; CURRENT FILING DATE: 2002-07-30
; PRIOR APPLICATION NUMBER: US 09/818,875
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: US 60/192,176
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/192,179
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/208,538
; PRIOR FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/244,989
; PRIOR FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 4385
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 563
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-209-787-563

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.5e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1373 TGAATTACGGAATAATG 1389
|| ||||| || |||||
Db 1 TGTATTACCGAGTAATG 17

RESULT 485
US-10-209-787-564/c
; Sequence 564, Application US/10209787
; Publication No. US20030217377A1
; GENERAL INFORMATION:
; APPLICANT: Kmiec, Eric B.
; APPLICANT: Gamper, Howard B.
; APPLICANT: Rice, Michael C.
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
; TITLE OF INVENTION: Stranded Oligonucleotides
; FILE REFERENCE: Napro-4
; CURRENT APPLICATION NUMBER: US/10/209,787
; CURRENT FILING DATE: 2002-07-30
; PRIOR APPLICATION NUMBER: US 09/818,875
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: US 60/192,176
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/192,179
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/208,538
; PRIOR FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/244,989
; PRIOR FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 4385
; SOFTWARE: Friedman macro Napro4

; SEQ ID NO 564
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-209-787-564

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.5e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```
Qy       1373 TGAATTACGGAATAATG 1389
              || ||||| || |||||
Db         17 TGTATTACCGAGTAATG 1
```

RESULT 486
US-10-209-787-771
; Sequence 771, Application US/10209787
; Publication No. US20030217377A1
; GENERAL INFORMATION:
; APPLICANT: Kmiec, Eric B.
; APPLICANT: Gamper, Howard B.
; APPLICANT: Rice, Michael C.
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
; TITLE OF INVENTION: Stranded Oligonucleotides
; FILE REFERENCE: Napro-4
; CURRENT APPLICATION NUMBER: US/10/209,787
; CURRENT FILING DATE: 2002-07-30
; PRIOR APPLICATION NUMBER: US 09/818,875
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: US 60/192,176
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/192,179
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/208,538
; PRIOR FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/244,989
; PRIOR FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 4385
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 771
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-209-787-771

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.5e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```
Qy        921 TAAGTGGAAAAAGTATT 937
              |||||||| |||| ||
Db          1 TAAGTGGAGAAAGGGTT 17
```

RESULT 487
US-10-209-787-772/c
; Sequence 772, Application US/10209787
; Publication No. US20030217377A1
; GENERAL INFORMATION:
; APPLICANT: Kmiec, Eric B.
; APPLICANT: Gamper, Howard B.
; APPLICANT: Rice, Michael C.
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
; TITLE OF INVENTION: Stranded Oligonucleotides
; FILE REFERENCE: Napro-4
; CURRENT APPLICATION NUMBER: US/10/209,787
; CURRENT FILING DATE: 2002-07-30
; PRIOR APPLICATION NUMBER: US 09/818,875
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: US 60/192,176
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/192,179
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/208,538
; PRIOR FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/244,989
; PRIOR FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 4385
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 772
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-209-787-772

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.5e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```
Qy        921 TAAGTGGAAAAAGTATT 937
              |||||||| |||| ||
Db         17 TAAGTGGAGAAAGGGTT 1
```

RESULT 488
US-10-209-787-1723
; Sequence 1723, Application US/10209787
; Publication No. US20030217377A1
; GENERAL INFORMATION:
; APPLICANT: Kmiec, Eric B.
; APPLICANT: Gamper, Howard B.
; APPLICANT: Rice, Michael C.
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
; TITLE OF INVENTION: Stranded Oligonucleotides
; FILE REFERENCE: Napro-4
; CURRENT APPLICATION NUMBER: US/10/209,787
; CURRENT FILING DATE: 2002-07-30
; PRIOR APPLICATION NUMBER: US 09/818,875
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: US 60/192,176
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/192,179
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/208,538
; PRIOR FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/244,989
; PRIOR FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 4385
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 1723
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-209-787-1723

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.5e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```
Qy       1404 AAACAGCCAAAACTCCA 1420
              | ||| |||||| ||||
Db          1 AGACACCCAAAAGTCCA 17
```

RESULT 489
US-10-209-787-1724/c
; Sequence 1724, Application US/10209787
; Publication No. US20030217377A1
; GENERAL INFORMATION:
; APPLICANT: Kmiec, Eric B.
; APPLICANT: Gamper, Howard B.
; APPLICANT: Rice, Michael C.
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
; TITLE OF INVENTION: Stranded Oligonucleotides
; FILE REFERENCE: Napro-4

```
;  CURRENT APPLICATION NUMBER: US/10/209,787
;  CURRENT FILING DATE:  2002-07-30
;  PRIOR APPLICATION NUMBER: US 09/818,875
;  PRIOR FILING DATE: 2001-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,176
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,179
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/208,538
;  PRIOR FILING DATE: 2000-06-01
;  PRIOR APPLICATION NUMBER: US 60/244,989
;  PRIOR FILING DATE: 2000-10-30
;  NUMBER OF SEQ ID NOS: 4385
;  SOFTWARE: Friedman macro Napro4
; SEQ ID NO 1724
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-209-787-1724

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 4.5e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1404 AAACAGCCAAAACTCCA 1420
             | ||| |||||| ||||
Db         17 AGACACCCAAAAGTCCA 1


RESULT 490
US-10-209-787-2158
; Sequence 2158, Application US/10209787
; Publication No. US20030217377A1
; GENERAL INFORMATION:
;  APPLICANT: Kmiec, Eric B.
;  APPLICANT:  Gamper, Howard B.
;  APPLICANT:  Rice, Michael C.
;  TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
;  TITLE OF INVENTION:  Stranded Oligonucleotides
;  FILE REFERENCE: Napro-4
;  CURRENT APPLICATION NUMBER: US/10/209,787
;  CURRENT FILING DATE:  2002-07-30
;  PRIOR APPLICATION NUMBER: US 09/818,875
;  PRIOR FILING DATE: 2001-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,176
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,179
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/208,538
;  PRIOR FILING DATE: 2000-06-01
;  PRIOR APPLICATION NUMBER: US 60/244,989
;  PRIOR FILING DATE: 2000-10-30
;  NUMBER OF SEQ ID NOS: 4385
;  SOFTWARE: Friedman macro Napro4
; SEQ ID NO 2158
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-209-787-2158

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 4.5e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1604 ATATGAAACATTTAAAA 1620
             | ||||||| ||||| |
Db          1 AGATGAAACCTTTAAGA 17


RESULT 491
US-10-209-787-2159/c
; Sequence 2159, Application US/10209787
; Publication No. US20030217377A1
; GENERAL INFORMATION:
;  APPLICANT: Kmiec, Eric B.
;  APPLICANT:  Gamper, Howard B.
;  APPLICANT:  Rice, Michael C.
;  TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
;  TITLE OF INVENTION:  Stranded Oligonucleotides
;  FILE REFERENCE: Napro-4
;  CURRENT APPLICATION NUMBER: US/10/209,787
;  CURRENT FILING DATE:  2002-07-30
;  PRIOR APPLICATION NUMBER: US 09/818,875
;  PRIOR FILING DATE: 2001-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,176
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,179
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/208,538
;  PRIOR FILING DATE: 2000-06-01
;  PRIOR APPLICATION NUMBER: US 60/244,989
;  PRIOR FILING DATE: 2000-10-30
;  NUMBER OF SEQ ID NOS: 4385
;  SOFTWARE: Friedman macro Napro4
; SEQ ID NO 2159
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-209-787-2159

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 4.5e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1604 ATATGAAACATTTAAAA 1620
             | ||||||| ||||| |
Db          17 AGATGAAACCTTTAAGA 1


RESULT 492
US-10-209-787-2438
; Sequence 2438, Application US/10209787
; Publication No. US20030217377A1
; GENERAL INFORMATION:
;  APPLICANT: Kmiec, Eric B.
;  APPLICANT:  Gamper, Howard B.
;  APPLICANT:  Rice, Michael C.
;  TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
;  TITLE OF INVENTION:  Stranded Oligonucleotides
;  FILE REFERENCE: Napro-4
;  CURRENT APPLICATION NUMBER: US/10/209,787
;  CURRENT FILING DATE:  2002-07-30
;  PRIOR APPLICATION NUMBER: US 09/818,875
;  PRIOR FILING DATE: 2001-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,176
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,179
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/208,538
;  PRIOR FILING DATE: 2000-06-01
;  PRIOR APPLICATION NUMBER: US 60/244,989
;  PRIOR FILING DATE: 2000-10-30
;  NUMBER OF SEQ ID NOS: 4385
;  SOFTWARE: Friedman macro Napro4
; SEQ ID NO 2438
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-209-787-2438

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 4.5e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        980 AAGCACTTTAAGTTTTT 996
              ||||||   ||||||||
```

```
Db          1 AAGCACGAGAAGTTTTT 17


RESULT 493
US-10-209-787-2439/c
; Sequence 2439, Application US/10209787
; Publication No. US20030217377A1
; GENERAL INFORMATION:
;  APPLICANT: Kmiec, Eric B.
;  APPLICANT:  Gamper, Howard B.
;  APPLICANT:  Rice, Michael C.
;  TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
;  TITLE OF INVENTION:  Stranded Oligonucleotides
;  FILE REFERENCE: Napro-4
;  CURRENT APPLICATION NUMBER: US/10/209,787
;  CURRENT FILING DATE:  2002-07-30
;  PRIOR APPLICATION NUMBER: US 09/818,875
;  PRIOR FILING DATE: 2001-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,176
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,179
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/208,538
;  PRIOR FILING DATE: 2000-06-01
;  PRIOR APPLICATION NUMBER: US 60/244,989
;  PRIOR FILING DATE: 2000-10-30
;  NUMBER OF SEQ ID NOS: 4385
;  SOFTWARE: Friedman macro Napro4
; SEQ ID NO 2439
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-209-787-2439

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 4.5e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        980 AAGCACTTTAAGTTTTT 996
              ||||||   ||||||||
Db         17 AAGCACGAGAAGTTTTT 1


RESULT 494
US-10-209-787-2442
; Sequence 2442, Application US/10209787
; Publication No. US20030217377A1
; GENERAL INFORMATION:
;  APPLICANT: Kmiec, Eric B.
;  APPLICANT:  Gamper, Howard B.
;  APPLICANT:  Rice, Michael C.
;  TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
;  TITLE OF INVENTION:  Stranded Oligonucleotides
;  FILE REFERENCE: Napro-4
;  CURRENT APPLICATION NUMBER: US/10/209,787
;  CURRENT FILING DATE:  2002-07-30
;  PRIOR APPLICATION NUMBER: US 09/818,875
;  PRIOR FILING DATE: 2001-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,176
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,179
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/208,538
;  PRIOR FILING DATE: 2000-06-01
;  PRIOR APPLICATION NUMBER: US 60/244,989
;  PRIOR FILING DATE: 2000-10-30
;  NUMBER OF SEQ ID NOS: 4385
;  SOFTWARE: Friedman macro Napro4
; SEQ ID NO 2442
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-209-787-2442

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 4.5e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        980 AAGCACTTTAAGTTTTT 996
              ||||||   ||||||||
Db          1 AAGCACGAGAAGTTTTT 17


RESULT 495
US-10-209-787-2443/c
; Sequence 2443, Application US/10209787
; Publication No. US20030217377A1
; GENERAL INFORMATION:
;  APPLICANT: Kmiec, Eric B.
;  APPLICANT:  Gamper, Howard B.
;  APPLICANT:  Rice, Michael C.
;  TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
;  TITLE OF INVENTION:  Stranded Oligonucleotides
;  FILE REFERENCE: Napro-4
;  CURRENT APPLICATION NUMBER: US/10/209,787
;  CURRENT FILING DATE:  2002-07-30
;  PRIOR APPLICATION NUMBER: US 09/818,875
;  PRIOR FILING DATE: 2001-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,176
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,179
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/208,538
;  PRIOR FILING DATE: 2000-06-01
;  PRIOR APPLICATION NUMBER: US 60/244,989
;  PRIOR FILING DATE: 2000-10-30
;  NUMBER OF SEQ ID NOS: 4385
;  SOFTWARE: Friedman macro Napro4
; SEQ ID NO 2443
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-209-787-2443

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 4.5e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        980 AAGCACTTTAAGTTTTT 996
              ||||||   ||||||||
Db         17 AAGCACGAGAAGTTTTT 1


RESULT 496
US-10-209-787-2538
; Sequence 2538, Application US/10209787
; Publication No. US20030217377A1
; GENERAL INFORMATION:
;  APPLICANT: Kmiec, Eric B.
;  APPLICANT:  Gamper, Howard B.
;  APPLICANT:  Rice, Michael C.
;  TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
;  TITLE OF INVENTION:  Stranded Oligonucleotides
;  FILE REFERENCE: Napro-4
;  CURRENT APPLICATION NUMBER: US/10/209,787
;  CURRENT FILING DATE:  2002-07-30
;  PRIOR APPLICATION NUMBER: US 09/818,875
;  PRIOR FILING DATE: 2001-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,176
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,179
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/208,538
;  PRIOR FILING DATE: 2000-06-01
;  PRIOR APPLICATION NUMBER: US 60/244,989
;  PRIOR FILING DATE: 2000-10-30
```

NUMBER OF SEQ ID NOS: 4385
SOFTWARE: Friedman macro Napro4
SEQ ID NO 2538
LENGTH: 17
TYPE: DNA
ORGANISM: Homo sapiens
S-10-209-787-2538

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.5e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

y 1491 TTTAAATGACTGCATTT 1507
||||||||.|.|||.||
b 1 TTTAAATGGCGGCAGTT 17

ESULT 497
S-10-209-787-2539/c
Sequence 2539, Application US/10209787
Publication No. US20030217377A1
GENERAL INFORMATION:
APPLICANT: Kmiec, Eric B.
APPLICANT: Gamper, Howard B.
APPLICANT: Rice, Michael C.
TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
TITLE OF INVENTION: Stranded Oligonucleotides
FILE REFERENCE: Napro-4
CURRENT APPLICATION NUMBER: US/10/209,787
CURRENT FILING DATE: 2002-07-30
PRIOR APPLICATION NUMBER: US 09/818,875
PRIOR FILING DATE: 2001-03-27
PRIOR APPLICATION NUMBER: US 60/192,176
PRIOR FILING DATE: 2000-03-27
PRIOR APPLICATION NUMBER: US 60/192,179
PRIOR FILING DATE: 2000-03-27
PRIOR APPLICATION NUMBER: US 60/208,538
PRIOR FILING DATE: 2000-06-01
PRIOR APPLICATION NUMBER: US 60/244,989
PRIOR FILING DATE: 2000-10-30
NUMBER OF SEQ ID NOS: 4385
SOFTWARE: Friedman macro Napro4
SEQ ID NO 2539
LENGTH: 17
TYPE: DNA
ORGANISM: Homo sapiens
S-10-209-787-2539

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.5e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

y 1491 TTTAAATGACTGCATTT 1507
||||||||.|.|||.||
b 17 TTTAAATGGCGGCAGTT 1

ESULT 498
S-10-209-787-2542
Sequence 2542, Application US/10209787
Publication No. US20030217377A1
GENERAL INFORMATION:
APPLICANT: Kmiec, Eric B.
APPLICANT: Gamper, Howard B.
APPLICANT: Rice, Michael C.
TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
TITLE OF INVENTION: Stranded Oligonucleotides
FILE REFERENCE: Napro-4
CURRENT APPLICATION NUMBER: US/10/209,787
CURRENT FILING DATE: 2002-07-30
PRIOR APPLICATION NUMBER: US 09/818,875
PRIOR FILING DATE: 2001-03-27
PRIOR APPLICATION NUMBER: US 60/192,176
PRIOR FILING DATE: 2000-03-27
PRIOR APPLICATION NUMBER: US 60/192,179
PRIOR FILING DATE: 2000-03-27
PRIOR APPLICATION NUMBER: US 60/208,538
PRIOR FILING DATE: 2000-06-01
PRIOR APPLICATION NUMBER: US 60/244,989
PRIOR FILING DATE: 2000-10-30
NUMBER OF SEQ ID NOS: 4385
SOFTWARE: Friedman macro Napro4
SEQ ID NO 2542
LENGTH: 17
TYPE: DNA
ORGANISM: Homo sapiens
US-10-209-787-2542

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.5e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1491 TTTAAATGACTGCATTT 1507
||||||||.|.|||.||
Db 1 TTTAAATGGCGGCAGTT 17

RESULT 499
US-10-209-787-2543/c
Sequence 2543, Application US/10209787
Publication No. US20030217377A1
GENERAL INFORMATION:
APPLICANT: Kmiec, Eric B.
APPLICANT: Gamper, Howard B.
APPLICANT: Rice, Michael C.
TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
TITLE OF INVENTION: Stranded Oligonucleotides
FILE REFERENCE: Napro-4
CURRENT APPLICATION NUMBER: US/10/209,787
CURRENT FILING DATE: 2002-07-30
PRIOR APPLICATION NUMBER: US 09/818,875
PRIOR FILING DATE: 2001-03-27
PRIOR APPLICATION NUMBER: US 60/192,176
PRIOR FILING DATE: 2000-03-27
PRIOR APPLICATION NUMBER: US 60/192,179
PRIOR FILING DATE: 2000-03-27
PRIOR APPLICATION NUMBER: US 60/208,538
PRIOR FILING DATE: 2000-06-01
PRIOR APPLICATION NUMBER: US 60/244,989
PRIOR FILING DATE: 2000-10-30
NUMBER OF SEQ ID NOS: 4385
SOFTWARE: Friedman macro Napro4
SEQ ID NO 2543
LENGTH: 17
TYPE: DNA
ORGANISM: Homo sapiens
US-10-209-787-2543

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.5e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1491 TTTAAATGACTGCATTT 1507
||||||||.|.|||.||
Db 17 TTTAAATGGCGGCAGTT 1

RESULT 500
US-10-209-787-4186/c
Sequence 4186, Application US/10209787
Publication No. US20030217377A1
GENERAL INFORMATION:
APPLICANT: Kmiec, Eric B.
APPLICANT: Gamper, Howard B.
APPLICANT: Rice, Michael C.
TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single

```
;  TITLE OF INVENTION:  Stranded Oligonucleotides
;  FILE REFERENCE: Napro-4
;  CURRENT APPLICATION NUMBER: US/10/209,787
;  CURRENT FILING DATE:  2002-07-30
;  PRIOR APPLICATION NUMBER: US 09/818,875
;  PRIOR FILING DATE: 2001-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,176
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,179
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/208,538
;  PRIOR FILING DATE: 2000-06-01
;  PRIOR APPLICATION NUMBER: US 60/244,989
;  PRIOR FILING DATE: 2000-10-30
;  NUMBER OF SEQ ID NOS: 4385
;  SOFTWARE: Friedman macro Napro4
; SEQ ID NO 4186
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
JS-10-209-787-4186

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 4.5e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1124 ATAAAGATGTTATAGTA 1140
              ||| ||||| |||| ||
Db         17 ATAGAGATGATATAATA 1


RESULT 501
US-10-209-787-4187
; Sequence 4187, Application US/10209787
; Publication No. US20030217377A1
; GENERAL INFORMATION:
;  APPLICANT: Kmiec, Eric B.
;  APPLICANT:  Gamper, Howard B.
;  APPLICANT:  Rice, Michael C.
;  TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
;  TITLE OF INVENTION:  Stranded Oligonucleotides
;  FILE REFERENCE: Napro-4
;  CURRENT APPLICATION NUMBER: US/10/209,787
;  CURRENT FILING DATE:  2002-07-30
;  PRIOR APPLICATION NUMBER: US 09/818,875
;  PRIOR FILING DATE: 2001-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,176
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/192,179
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: US 60/208,538
;  PRIOR FILING DATE: 2000-06-01
;  PRIOR APPLICATION NUMBER: US 60/244,989
;  PRIOR FILING DATE: 2000-10-30
;  NUMBER OF SEQ ID NOS: 4385
;  SOFTWARE: Friedman macro Napro4
; SEQ ID NO 4187
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
JS-10-209-787-4187

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 4.5e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1124 ATAAAGATGTTATAGTA 1140
              ||| ||||| |||| ||
Db          1 ATAGAGATGATATAATA 17


RESULT 502
US-10-105-481-22
; Sequence 22, Application US/10105481
; Publication No. US20030044955A1
; GENERAL INFORMATION:
;  APPLICANT: Berka, Randy M
;  APPLICANT:  Cullen, Daniel
;  APPLICANT:  Gray, Gregory L
;  APPLICANT:  Hayenga, Kirk J
;  APPLICANT:  Lawlis, Virgil B
;  TITLE OF INVENTION: Heterologous Polypeptides Expressed in Filamentous
;  TITLE OF INVENTION:  Fungi, Process for
;  TITLE OF INVENTION:  Making Same and Vectors for Making Same
;  FILE REFERENCE: A-42909-5
;  CURRENT APPLICATION NUMBER: US/10/105,481
;  CURRENT FILING DATE:  2002-03-20
;  PRIOR APPLICATION NUMBER: 09/468,265
;  PRIOR FILING DATE: 1999-12-10
;  PRIOR APPLICATION NUMBER: 08/484,384
;  PRIOR FILING DATE: 1995-06-07
;  PRIOR APPLICATION NUMBER: 08/284,942
;  PRIOR FILING DATE: 1994-08-02
;  PRIOR APPLICATION NUMBER: 07/413,010
;  PRIOR FILING DATE: 1989-09-25
;  PRIOR APPLICATION NUMBER: 07/163,219
;  PRIOR FILING DATE: 1988-02-26
;  PRIOR APPLICATION NUMBER: 06/882,224
;  PRIOR FILING DATE: 1986-07-07
;  PRIOR APPLICATION NUMBER: 06/771,374
;  PRIOR FILING DATE: 1985-08-29
;  NUMBER OF SEQ ID NOS: 28
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 22
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: synthetic oligonucleotide probes
US-10-105-481-22

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   73.3%;  Pred. No. 4.5e+02;
  Matches   11;  Conservative    3;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1271 AGTATAAGTACATTA 1285
              |:||:||:|| ||||
Db          2 ARTAYAARTATATTA 16


RESULT 503
US-10-105-481-25
; Sequence 25, Application US/10105481
; Publication No. US20030044955A1
; GENERAL INFORMATION:
;  APPLICANT: Berka, Randy M
;  APPLICANT:  Cullen, Daniel
;  APPLICANT:  Gray, Gregory L
;  APPLICANT:  Hayenga, Kirk J
;  APPLICANT:  Lawlis, Virgil B
;  TITLE OF INVENTION: Heterologous Polypeptides Expressed in Filamentous
;  TITLE OF INVENTION:  Fungi, Process for
;  TITLE OF INVENTION:  Making Same and Vectors for Making Same
;  FILE REFERENCE: A-42909-5
;  CURRENT APPLICATION NUMBER: US/10/105,481
;  CURRENT FILING DATE:  2002-03-20
;  PRIOR APPLICATION NUMBER: 09/468,265
;  PRIOR FILING DATE: 1999-12-10
;  PRIOR APPLICATION NUMBER: 08/484,384
;  PRIOR FILING DATE: 1995-06-07
;  PRIOR APPLICATION NUMBER: 08/284,942
;  PRIOR FILING DATE: 1994-08-02
;  PRIOR APPLICATION NUMBER: 07/413,010
;  PRIOR FILING DATE: 1989-09-25
;  PRIOR APPLICATION NUMBER: 07/163,219
;  PRIOR FILING DATE: 1988-02-26
```

PRIOR APPLICATION NUMBER: 06/882,224
PRIOR FILING DATE: 1986-07-07
PRIOR APPLICATION NUMBER: 06/771,374
PRIOR FILING DATE: 1985-08-29
NUMBER OF SEQ ID NOS: 28
SOFTWARE: PatentIn version 3.1
SEQ ID NO 25
LENGTH: 17
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: synthetic oligonucleotide probe
S-10-105-481-25

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 73.3%; Pred. No. 4.5e+02;
Matches 11; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

y 1271 AGTATAAGTACATTA 1285
|:||:||:||||| |
b 2 ARTAYAARTACATCA 16

ESULT 504
S-10-105-481-27
Sequence 27, Application US/10105481
Publication No. US20030044955A1
GENERAL INFORMATION:
APPLICANT: Berka, Randy M
APPLICANT: Cullen, Daniel
APPLICANT: Gray, Gregory L
APPLICANT: Hayenga, Kirk J
APPLICANT: Lawlis, Virgil B
TITLE OF INVENTION: Heterologous Polypeptides Expressed in Filamentous
TITLE OF INVENTION: Fungi, Process for
TITLE OF INVENTION: Making Same and Vectors for Making Same
FILE REFERENCE: A-42909-5
CURRENT APPLICATION NUMBER: US/10/105,481
CURRENT FILING DATE: 2002-03-20
PRIOR APPLICATION NUMBER: 09/468,265
PRIOR FILING DATE: 1999-12-10
PRIOR APPLICATION NUMBER: 08/484,384
PRIOR FILING DATE: 1995-06-07
PRIOR APPLICATION NUMBER: 08/284,942
PRIOR FILING DATE: 1994-08-02
PRIOR APPLICATION NUMBER: 07/413,010
PRIOR FILING DATE: 1989-09-25
PRIOR APPLICATION NUMBER: 07/163,219
PRIOR FILING DATE: 1988-02-26
PRIOR APPLICATION NUMBER: 06/882,224
PRIOR FILING DATE: 1986-07-07
PRIOR APPLICATION NUMBER: 06/771,374
PRIOR FILING DATE: 1985-08-29
NUMBER OF SEQ ID NOS: 28
SOFTWARE: PatentIn version 3.1
SEQ ID NO 27
LENGTH: 17
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: synthetic oligonucleotide probe
JS-10-105-481-27

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 73.3%; Pred. No. 4.5e+02;
Matches 11; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

Qy 1271 AGTATAAGTACATTA 1285
|:||:||:||||| |
Db 2 ARTAYAARTACATAA 16

RESULT 505

US-10-105-481-27/c
; Sequence 27, Application US/10105481
; Publication No. US20030044955A1
; GENERAL INFORMATION:
; APPLICANT: Berka, Randy M
; APPLICANT: Cullen, Daniel
; APPLICANT: Gray, Gregory L
; APPLICANT: Hayenga, Kirk J
; APPLICANT: Lawlis, Virgil B
; TITLE OF INVENTION: Heterologous Polypeptides Expressed in Filamentous
; TITLE OF INVENTION: Fungi, Process for
; TITLE OF INVENTION: Making Same and Vectors for Making Same
; FILE REFERENCE: A-42909-5
; CURRENT APPLICATION NUMBER: US/10/105,481
; CURRENT FILING DATE: 2002-03-20
; PRIOR APPLICATION NUMBER: 09/468,265
; PRIOR FILING DATE: 1999-12-10
; PRIOR APPLICATION NUMBER: 08/484,384
; PRIOR FILING DATE: 1995-06-07
; PRIOR APPLICATION NUMBER: 08/284,942
; PRIOR FILING DATE: 1994-08-02
; PRIOR APPLICATION NUMBER: 07/413,010
; PRIOR FILING DATE: 1989-09-25
; PRIOR APPLICATION NUMBER: 07/163,219
; PRIOR FILING DATE: 1988-02-26
; PRIOR APPLICATION NUMBER: 06/882,224
; PRIOR FILING DATE: 1986-07-07
; PRIOR APPLICATION NUMBER: 06/771,374
; PRIOR FILING DATE: 1985-08-29
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 27
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic oligonucleotide probe
US-10-105-481-27

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 84.6%; Pred. No. 4.5e+02;
Matches 11; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1047 TTTATGTATTTAT 1059
|||||||:||:|
Db 17 TTTATGTAYTTRT 5

RESULT 506
US-10-060-756A-840
; Sequence 840, Application US/10060756A
; Publication No. US20030046717A1
; GENERAL INFORMATION:
; APPLICANT: Zhang, Jian
; TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN
; FILE REFERENCE: PB0177
; CURRENT APPLICATION NUMBER: US/10/060,756A
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/327,898

```
;  PRIOR FILING DATE: 2001-10-09
;  NUMBER OF SEQ ID NOS: 4804
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 840
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-060-756A-840

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 4.5e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        496 GCCAGATGCAATACAAG 512
              ||||||| || ||| ||
Db          1 GCCAGATCCAGTACCAG 17


RESULT 507
US-10-060-756A-1174/c
; Sequence 1174, Application US/10060756A
; Publication No. US20030046717A1
; GENERAL INFORMATION:
;  APPLICANT: Zhang, Jian
;  TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN
;  FILE REFERENCE: PB0177
;  CURRENT APPLICATION NUMBER: US/10/060,756A
;  CURRENT FILING DATE:  2002-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 09/864,761
;  PRIOR FILING DATE: 2001-05-23
;  PRIOR APPLICATION NUMBER: US 60/327,898
;  PRIOR FILING DATE: 2001-10-09
;  NUMBER OF SEQ ID NOS: 4804
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 1174
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-060-756A-1174

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 4.5e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1006 CATAAATTATTTTCAAG 1022
              | | |||| ||||||||
Db         17 CCTCAATTTTTTTCAAG 1


RESULT 508
US-10-060-756A-1175/c
; Sequence 1175, Application US/10060756A
; Publication No. US20030046717A1
; GENERAL INFORMATION:
;  APPLICANT: Zhang, Jian
;  TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN
;  FILE REFERENCE: PB0177
;  CURRENT APPLICATION NUMBER: US/10/060,756A
;  CURRENT FILING DATE:  2002-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 09/864,761
;  PRIOR FILING DATE: 2001-05-23
;  PRIOR APPLICATION NUMBER: US 60/327,898
;  PRIOR FILING DATE: 2001-10-09
;  NUMBER OF SEQ ID NOS: 4804
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 1175
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-060-756A-1175

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 4.5e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1005 ACATAAATTATTTTCAA 1021
              || | |||| |||||||
Db         17 ACCTCAATTTTTTTCAA 1


RESULT 509
US-10-060-756A-1304/c
; Sequence 1304, Application US/10060756A
; Publication No. US20030046717A1
; GENERAL INFORMATION:
;  APPLICANT: Zhang, Jian
;  TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN
;  FILE REFERENCE: PB0177
;  CURRENT APPLICATION NUMBER: US/10/060,756A
;  CURRENT FILING DATE:  2002-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 09/864,761
;  PRIOR FILING DATE: 2001-05-23
;  PRIOR APPLICATION NUMBER: US 60/327,898
;  PRIOR FILING DATE: 2001-10-09
;  NUMBER OF SEQ ID NOS: 4804
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 1304
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-060-756A-1304

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 4.5e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        433 CAGTGAAACTTCAAGCA 449
              |||| |||| | |||||
Db         17 CAGTCAAACCTAAAGCA 1
```

```
RESULT 510
US-10-060-756A-4026/c
; Sequence 4026, Application US/10060756A
; Publication No. US20030046717A1
; GENERAL INFORMATION:
;  APPLICANT: Zhang, Jian
;  TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN
;  FILE REFERENCE: PB0177
;  CURRENT APPLICATION NUMBER: US/10/060,756A
;  CURRENT FILING DATE:  2002-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 09/864,761
;  PRIOR FILING DATE: 2001-05-23
;  PRIOR APPLICATION NUMBER: US 60/327,898
;  PRIOR FILING DATE: 2001-10-09
;  NUMBER OF SEQ ID NOS: 4804
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 4026
;  LENGTH: 17
;  TYPE: DNA
;  ORGANISM: Homo sapiens
US-10-060-756A-4026

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 4.5e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1097 AGAAGATGAATCATTGA 1113
              | ||||| ||||||  ||
Db         17 ACAAGATTAATCATGGA 1


RESULT 511
US-10-060-756A-4275/c
; Sequence 4275, Application US/10060756A
; Publication No. US20030046717A1
; GENERAL INFORMATION:
;  APPLICANT: Zhang, Jian
;  TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN
;  FILE REFERENCE: PB0177
;  CURRENT APPLICATION NUMBER: US/10/060,756A
;  CURRENT FILING DATE:  2002-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 09/864,761
;  PRIOR FILING DATE: 2001-05-23
;  PRIOR APPLICATION NUMBER: US 60/327,898
;  PRIOR FILING DATE: 2001-10-09
;  NUMBER OF SEQ ID NOS: 4804
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 4275
;  LENGTH: 17
;  TYPE: DNA
;  ORGANISM: Homo sapiens
US-10-060-756A-4275

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 4.5e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        687 AAAATTGGGCCAAGGGC 703
              |||||| ||||| | ||
Db         17 AAAATTAGGCCATGAGC 1


RESULT 512
US-10-060-756A-4359/c
; Sequence 4359, Application US/10060756A
; Publication No. US20030046717A1
; GENERAL INFORMATION:
;  APPLICANT: Zhang, Jian
;  TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN
;  FILE REFERENCE: PB0177
;  CURRENT APPLICATION NUMBER: US/10/060,756A
;  CURRENT FILING DATE:  2002-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 09/864,761
;  PRIOR FILING DATE: 2001-05-23
;  PRIOR APPLICATION NUMBER: US 60/327,898
;  PRIOR FILING DATE: 2001-10-09
;  NUMBER OF SEQ ID NOS: 4804
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 4359
;  LENGTH: 17
;  TYPE: DNA
;  ORGANISM: Homo sapiens
US-10-060-756A-4359

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 4.5e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1188 CAATCAGGGTTTTTAGA 1204
              |||||||  ||  ||||
Db         17 CAATCAGGAATTCTAGA 1


RESULT 513
US-10-043-875-66/c
; Sequence 66, Application US/10043875
; Publication No. US20030054339A1
; GENERAL INFORMATION:
;  APPLICANT: De Smet, Koenraad
;  APPLICANT:  Stuyver, Lieven
;  TITLE OF INVENTION: Method for Detection of Drug-Induced Mutations in the HIV Reverse
;  TITLE OF INVENTION:  Transcriptase Gene
;  FILE REFERENCE: 11362-0033-NPUS01 (INNS:033)
;  CURRENT APPLICATION NUMBER: US/10/043,875
;  CURRENT FILING DATE:  2002-04-03
;  PRIOR APPLICATION NUMBER: 60/286,102
;  PRIOR FILING DATE: 2001-04-24
;  PRIOR APPLICATION NUMBER: EP 01870085.6
;  PRIOR FILING DATE: 2001-04-20
```

```
;  PRIOR APPLICATION NUMBER: EP 01870005.4
;  PRIOR FILING DATE: 2001-01-11
;  NUMBER OF SEQ ID NOS: 884
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 66
;    LENGTH: 17
;    TYPE: DNA
;    ORGANISM: Human immunodeficiency virus
JS-10-043-875-66

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 4.5e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1571 ACTGTTTCTGATTGTAT 1587
              ||||||  |||||| | |
Db         17 ACTGTTACTGATTCTTT 1


RESULT 514
US-10-043-875-865/c
; Sequence 865, Application US/10043875
; Publication No. US20030054339A1
; GENERAL INFORMATION:
;  APPLICANT: De Smet, Koenraad
;  APPLICANT:  Stuyver, Lieven
;  TITLE OF INVENTION: Method for Detection of Drug-Induced Mutations in the HIV Reverse
;  TITLE OF INVENTION:  Transcriptase Gene
;  FILE REFERENCE: 11362-0033-NPUS01 (INNS:033)
;  CURRENT APPLICATION NUMBER: US/10/043,875
;  CURRENT FILING DATE:  2002-04-03
;  PRIOR APPLICATION NUMBER: 60/286,102
;  PRIOR FILING DATE: 2001-04-24
;  PRIOR APPLICATION NUMBER: EP 01870085.6
;  PRIOR FILING DATE: 2001-04-20
;  PRIOR APPLICATION NUMBER: EP 01870005.4
;  PRIOR FILING DATE: 2001-01-11
;  NUMBER OF SEQ ID NOS: 884
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 865
;    LENGTH: 17
;    TYPE: DNA
;    ORGANISM: Human immunodeficiency virus
US-10-043-875-865

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 4.5e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1571 ACTGTTTCTGATTGTAT 1587
              ||||||  |||||| | |
Db         17 ACTGTTACTGATTTTTT 1


RESULT 515
US-10-011-768B-6
; Sequence 6, Application US/10011768B
; Publication No. US20030073221A1
; GENERAL INFORMATION:
;  APPLICANT: Weigel, Paul H.
;  APPLICANT:  DeAngelis, Paul
;  APPLICANT:  Kumari, Kshama
;  TITLE OF INVENTION: Hyaluronan Synthase Gene and Uses Thereof
;  FILE REFERENCE: 3554.011
;  CURRENT APPLICATION NUMBER: US/10/011,768B
;  CURRENT FILING DATE:  2001-12-11
;  PRIOR APPLICATION NUMBER: US 09/178,851
;  PRIOR FILING DATE: 1998-10-26
;  PRIOR APPLICATION NUMBER: US 60/064,435
;  PRIOR FILING DATE: 1997-10-31
;  NUMBER OF SEQ ID NOS: 10
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
;    LENGTH: 17
;    TYPE: DNA
;    ORGANISM: Artificial sequence
;    FEATURE:
;    OTHER INFORMATION: Primer sesp2
US-10-011-768B-6

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 4.5e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1544 TTTTTATGTGCTCTCCA 1560
              ||||||  |||  ||  |||
Db          1 TTTTTACGTGTTCCCCA 17


RESULT 516
US-10-011-771B-6
; Sequence 6, Application US/10011771B
; Publication No. US20030082780A1
; GENERAL INFORMATION:
;  APPLICANT: Weigel, Paul H.
;  APPLICANT:  DeAngelis, Paul
;  APPLICANT:  Kumari, Kshama
;  TITLE OF INVENTION: Hyaluronan Synthase Gene and Uses Thereof
;  FILE REFERENCE: 3554.011
;  CURRENT APPLICATION NUMBER: US/10/011,771B
;  CURRENT FILING DATE:  2001-10-11
;  PRIOR APPLICATION NUMBER: US 09/178,851
;  PRIOR FILING DATE: 1998-10-26
;  PRIOR APPLICATION NUMBER: US 60/064,435
;  PRIOR FILING DATE: 1997-10-31
;  NUMBER OF SEQ ID NOS: 10
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
;    LENGTH: 17
;    TYPE: DNA
;    ORGANISM: Artificial sequence
;    FEATURE:
;    OTHER INFORMATION: Primer sesp2
US-10-011-771B-6

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 4.5e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1544 TTTTTATGTGCTCTCCA 1560
              ||||||  |||  ||  |||
Db          1 TTTTTACGTGTTCCCCA 17


RESULT 517
US-10-172-527-6
; Sequence 6, Application US/10172527
; Publication No. US20030092118A1
; GENERAL INFORMATION:
;  APPLICANT: Weigel, Paul H
;  APPLICANT:  Kumari, Kshama
;  APPLICANT:  DeAngelis, Paul
;  TITLE OF INVENTION: HYALURONAN SYNTHASE GENES AND EXPRESSION THEREOF IN BACILLUS SUB
;  FILE REFERENCE: 3554.048
;  CURRENT APPLICATION NUMBER: US/10/172,527
;  CURRENT FILING DATE:  2002-06-13
;  PRIOR APPLICATION NUMBER: 60/297,788
;  PRIOR FILING DATE: 2001-06-13
;  PRIOR APPLICATION NUMBER: 60/297,744
;  PRIOR FILING DATE: 2001-06-13
;  PRIOR APPLICATION NUMBER: 09/469,200
;  PRIOR FILING DATE: 1999-12-21
;  PRIOR APPLICATION NUMBER: 09/178,851
;  PRIOR FILING DATE: 1998-10-26
;  NUMBER OF SEQ ID NOS: 20
;  SOFTWARE: PatentIn version 3.1
```

SEQ ID NO 6
LENGTH: 17
TYPE: DNA
ORGANISM: Streptococcus equisimilis
S-10-172-527-6

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.5e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

y 1544 TTTTTATGTGCTCTCCA 1560
||||||| ||| || |||
b 1 TTTTTACGTGTTCCCCA 17

ESULT 518
S-10-200-051-15
Sequence 15, Application US/10200051
Publication No. US20030097683A1
GENERAL INFORMATION:
APPLICANT: Large Scale Biology Corportation
TITLE OF INVENTION: A SINGLE-COMPONENT RNA VECTORS DERIVED FROM A VIRUS AND CONTAININ
TITLE OF INVENTION: INTERVENING SEQUENCE BETWEEN THE CAP AND THE 5' END AND ABLE TO
TITLE OF INVENTION: HOST PLANT CELL WITHIN A HOST PLANT
FILE REFERENCE: 00801-0137-CN026
CURRENT APPLICATION NUMBER: US/10/200,051
CURRENT FILING DATE: 2002-07-18
PRIOR APPLICATION NUMBER: 09/949,316
PRIOR FILING DATE: 2001-09-07
PRIOR APPLICATION NUMBER: 09/502,711
PRIOR FILING DATE: 2000-02-11
PRIOR APPLICATION NUMBER: 09/359,301
PRIOR FILING DATE: 1999-07-21
PRIOR APPLICATION NUMBER: 09/359,305
PRIOR FILING DATE: 1999-07-21
PRIOR APPLICATION NUMBER: 09/232,170
PRIOR FILING DATE: 1999-01-15
PRIOR APPLICATION NUMBER: 09/008,186
PRIOR FILING DATE: 1998-01-16
NUMBER OF SEQ ID NOS: 27
SOFTWARE: PatentIn version 3.1
SEQ ID NO 15
LENGTH: 17
TYPE: DNA
ORGANISM: Tobacco mosaic virus
S-10-200-051-15

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.5e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

y 1134 TATAGTAAATTTATTTT 1150
||||||| | ||||||
b 1 TATAGTATTTGTATTTT 17

ESULT 519
S-10-060-998-306/c
Sequence 306, Application US/10060998
Publication No. US20030104530A1
GENERAL INFORMATION:
APPLICANT: Gu, Yizhong
TITLE OF INVENTION: HUMAN SODIUM-HYDROGEN EXCHANGER LIKE PROTEIN 1
FILE REFERENCE: PB01108
CURRENT APPLICATION NUMBER: US/10/060,998
CURRENT FILING DATE: 2002-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: US 09/864,761
PRIOR FILING DATE: 2001-05-23
PRIOR APPLICATION NUMBER: US 60/343,331
PRIOR FILING DATE: 2001-12-21
NUMBER OF SEQ ID NOS: 3056
; SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 306
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-060-998-306

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.5e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1418 CCACAGTCAATATTAGT 1434
|||| |||||||
Db 17 CCACTTTCAATATCAGT 1

RESULT 520
US-10-060-998-307/c
; Sequence 307, Application US/10060998
; Publication No. US20030104530A1
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; TITLE OF INVENTION: HUMAN SODIUM-HYDROGEN EXCHANGER LIKE PROTEIN 1
; FILE REFERENCE: PB01108
; CURRENT APPLICATION NUMBER: US/10/060,998
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/343,331
; PRIOR FILING DATE: 2001-12-21
; NUMBER OF SEQ ID NOS: 3056
; SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 307
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-060-998-307

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.5e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1417 TCCACAGTCAATATTAG 1433
||||| ||||||| ||
Db 17 TCCACTTTCAATATCAG 1

RESULT 521
US-10-060-998-419/c
; Sequence 419, Application US/10060998
; Publication No. US20030104530A1
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; TITLE OF INVENTION: HUMAN SODIUM-HYDROGEN EXCHANGER LIKE PROTEIN 1
; FILE REFERENCE: PB01108
; CURRENT APPLICATION NUMBER: US/10/060,998
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/343,331
; PRIOR FILING DATE: 2001-12-21
; NUMBER OF SEQ ID NOS: 3056
; SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 419
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-060-998-419

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.5e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```
Qy        959 TGATGTTGTGAGGACAT 975
              ||||||||||  ||| |
Db         17 TGATGTTGTGCTGACTT 1
```

RESULT 522
US-10-060-998-421/c
; Sequence 421, Application US/10060998
; Publication No. US20030104530A1
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; TITLE OF INVENTION: HUMAN SODIUM-HYDROGEN EXCHANGER LIKE PROTEIN 1
; FILE REFERENCE: PB01108
; CURRENT APPLICATION NUMBER: US/10/060,998
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/343,331
; PRIOR FILING DATE: 2001-12-21
; NUMBER OF SEQ ID NOS: 3056
; SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 421
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-060-998-421

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.5e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```
Qy        957 AGTGATGTTGTGAGGAC 973
              | ||||||||||  |||
Db         17 ATTGATGTTGTGCTGAC 1
```

RESULT 523
US-10-060-998-507/c
; Sequence 507, Application US/10060998
; Publication No. US20030104530A1
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; TITLE OF INVENTION: HUMAN SODIUM-HYDROGEN EXCHANGER LIKE PROTEIN 1
; FILE REFERENCE: PB01108
; CURRENT APPLICATION NUMBER: US/10/060,998
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/343,331
; PRIOR FILING DATE: 2001-12-21
; NUMBER OF SEQ ID NOS: 3056
; SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 507
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-060-998-507

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.5e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```
Qy       1616 TAAAATATAATTTGTTG 1632
              | ||||||||||  || |
Db         17 TGAAATATAATTGGTGG 1
```

RESULT 524
US-10-163-552-559/c
; Sequence 559, Application US/10163552
; Publication No. US20030105051A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Nucleic acid treatment of diseases or conditions related to leve
; TITLE OF INVENTION: HER2
; FILE REFERENCE: MBHB01-1653-A (400/014)
; CURRENT APPLICATION NUMBER: US/10/163,552
; CURRENT FILING DATE: 2002-06-06
; NUMBER OF SEQ ID NOS: 1997
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 559
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-163-552-559

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 4.5e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```
Qy        874 GATCCACAAGTCCTTGT 890
              |||||| | | ||||||
Db         17 GATCCAGATGCCCTTGT 1
```

RESULT 525
US-10-163-552-680
; Sequence 680, Application US/10163552
; Publication No. US20030105051A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: Nucleic acid treatment of diseases or conditions related to leve
; TITLE OF INVENTION: HER2
; FILE REFERENCE: MBHB01-1653-A (400/014)
; CURRENT APPLICATION NUMBER: US/10/163,552
; CURRENT FILING DATE: 2002-06-06
; NUMBER OF SEQ ID NOS: 1997
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 680
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-163-552-680

Query Match 1.0%; Score 12.2; DB 1; Length 17;
Best Local Similarity 47.1%; Pred. No. 4.5e+02;
Matches 8; Conservative 6; Mismatches 3; Indels 0; Gaps 0;

```
Qy       1363 AGTGCTGTGTTGAATTA 1379
              ||:| :|:|: || ::|
Db          1 AGUGAUGUGUGGAGUUA 17
```

RESULT 526
US-10-156-306-93
; Sequence 93, Application US/10156306
; Publication No. US20030119017A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relat
; TITLE OF INVENTION: Levels of IKK-Gamma and PKR
; FILE REFERENCE: MBHB01-664-A (400/050)
; CURRENT APPLICATION NUMBER: US/10/156,306
; CURRENT FILING DATE: 2002-05-28
; NUMBER OF SEQ ID NOS: 8013

```
   SOFTWARE: PatentIn version 3.0
  SEQ ID NO 93
    LENGTH: 17
    TYPE: RNA
    ORGANISM: Homo sapiens
S-10-156-306-93

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   58.8%;  Pred. No. 4.5e+02;
  Matches   10;  Conservative    4;  Mismatches    3;  Indels    0;  Gaps    0;

y        451 ATCTACTTCAACACTTC 467
             |:| || :| ||||::|
b          1 AUCAACAUCCACACUUC 17


ESULT 527
S-10-156-306-118/c
  Sequence 118, Application US/10156306
  Publication No. US20030119017A1
  GENERAL INFORMATION:
    APPLICANT: Ribozyme Pharmaceuticals, Inc.
    APPLICANT:  McSwiggen, James
    TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
    TITLE OF INVENTION:  Levels of IKK-Gamma and PKR
    FILE REFERENCE: MBHB01-664-A (400/050)
    CURRENT APPLICATION NUMBER: US/10/156,306
    CURRENT FILING DATE:  2002-05-28
    NUMBER OF SEQ ID NOS: 8013
    SOFTWARE: PatentIn version 3.0
  SEQ ID NO 118
    LENGTH: 17
    TYPE: RNA
    ORGANISM: Homo sapiens
JS-10-156-306-118

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 4.5e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy      1572 CTGTTTCTGATTGTATG 1588
             ||| ||||||  |||||
Db        17 CTGCTTCTGACGGTATG 1


RESULT 528
US-10-156-306-286
; Sequence 286, Application US/10156306
; Publication No. US20030119017A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, James
;  TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
;  TITLE OF INVENTION:  Levels of IKK-Gamma and PKR
;  FILE REFERENCE: MBHB01-664-A (400/050)
;  CURRENT APPLICATION NUMBER: US/10/156,306
;  CURRENT FILING DATE:  2002-05-28
;  NUMBER OF SEQ ID NOS: 8013
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 286
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-10-156-306-286

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   58.8%;  Pred. No. 4.5e+02;
  Matches   10;  Conservative    4;  Mismatches    3;  Indels    0;  Gaps    0;

Qy      1609 AAACATTTAAAATATAA 1625
             |||| : : |||:|:||
Db         1 AAACGUGUUAAAUAUAA 17


RESULT 529
US-10-156-306-287
; Sequence 287, Application US/10156306
; Publication No. US20030119017A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, James
;  TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
;  TITLE OF INVENTION:  Levels of IKK-Gamma and PKR
;  FILE REFERENCE: MBHB01-664-A (400/050)
;  CURRENT APPLICATION NUMBER: US/10/156,306
;  CURRENT FILING DATE:  2002-05-28
;  NUMBER OF SEQ ID NOS: 8013
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 287
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-10-156-306-287

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   52.9%;  Pred. No. 4.5e+02;
  Matches    9;  Conservative    5;  Mismatches    3;  Indels    0;  Gaps    0;

Qy      1610 AACATTTAAAATATAAT 1626
             ||| : : |||:|:||:
Db         1 AACGUGUUAAAUAUAAU 17


RESULT 530
US-10-156-306-344/c
; Sequence 344, Application US/10156306
; Publication No. US20030119017A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, James
;  TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
;  TITLE OF INVENTION:  Levels of IKK-Gamma and PKR
;  FILE REFERENCE: MBHB01-664-A (400/050)
;  CURRENT APPLICATION NUMBER: US/10/156,306
;  CURRENT FILING DATE:  2002-05-28
;  NUMBER OF SEQ ID NOS: 8013
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 344
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-10-156-306-344

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 4.5e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       602 ATTTATTTGAATCTACA 618
             |||| ||||||| || |
Db        17 ATTTTTTTGAATGTATA 1


RESULT 531
US-10-156-306-360/c
; Sequence 360, Application US/10156306
; Publication No. US20030119017A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, James
;  TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
;  TITLE OF INVENTION:  Levels of IKK-Gamma and PKR
;  FILE REFERENCE: MBHB01-664-A (400/050)
;  CURRENT APPLICATION NUMBER: US/10/156,306
;  CURRENT FILING DATE:  2002-05-28
;  NUMBER OF SEQ ID NOS: 8013
;  SOFTWARE: PatentIn version 3.0
```

; SEQ ID NO 360
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-156-306-360

  Query Match 1.0%; Score 12.2; DB 1; Length 17;
  Best Local Similarity 82.4%; Pred. No. 4.5e+02;
  Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 607 TTTGAATCTACAAAAAA 623
        |||| |||||| || ||
Db 17 TTTGTATCTACTAAGAA 1

RESULT 532
US-10-156-306-415
; Sequence 415, Application US/10156306
; Publication No. US20030119017A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
; TITLE OF INVENTION: Levels of IKK-Gamma and PKR
; FILE REFERENCE: MBHB01-664-A (400/050)
; CURRENT APPLICATION NUMBER: US/10/156,306
; CURRENT FILING DATE: 2002-05-28
; NUMBER OF SEQ ID NOS: 8013
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 415
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-156-306-415

  Query Match 1.0%; Score 12.2; DB 1; Length 17;
  Best Local Similarity 58.8%; Pred. No. 4.5e+02;
  Matches 10; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

Qy 1005 ACATAAATTATTTTCAA 1021
         ||| |||::| : :|||
Db 1 ACAGAAAUUACUCUCAA 17

RESULT 533
US-10-156-306-520/c
; Sequence 520, Application US/10156306
; Publication No. US20030119017A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
; TITLE OF INVENTION: Levels of IKK-Gamma and PKR
; FILE REFERENCE: MBHB01-664-A (400/050)
; CURRENT APPLICATION NUMBER: US/10/156,306
; CURRENT FILING DATE: 2002-05-28
; NUMBER OF SEQ ID NOS: 8013
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 520
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-156-306-520

  Query Match 1.0%; Score 12.2; DB 1; Length 17;
  Best Local Similarity 82.4%; Pred. No. 4.5e+02;
  Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 618 AAAAAACAACAAATAAT 634
        |||||| || ||| |||
Db 17 AAAAAAAAAAAAAGAAT 1

RESULT 534
US-10-156-306-1527/c
; Sequence 1527, Application US/10156306
; Publication No. US20030119017A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relat
; TITLE OF INVENTION: Levels of IKK-Gamma and PKR
; FILE REFERENCE: MBHB01-664-A (400/050)
; CURRENT APPLICATION NUMBER: US/10/156,306
; CURRENT FILING DATE: 2002-05-28
; NUMBER OF SEQ ID NOS: 8013
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1527
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-156-306-1527

  Query Match 1.0%; Score 12.2; DB 1; Length 17;
  Best Local Similarity 82.4%; Pred. No. 4.5e+02;
  Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 887 TTGTTCCACTGTGCCTT 903
        |||||||| || ||||
Db 17 TTGTTCCAAGGTCCCTT 1

RESULT 535
US-10-156-306-1537/c
; Sequence 1537, Application US/10156306
; Publication No. US20030119017A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relat
; TITLE OF INVENTION: Levels of IKK-Gamma and PKR
; FILE REFERENCE: MBHB01-664-A (400/050)
; CURRENT APPLICATION NUMBER: US/10/156,306
; CURRENT FILING DATE: 2002-05-28
; NUMBER OF SEQ ID NOS: 8013
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1537
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-156-306-1537

  Query Match 1.0%; Score 12.2; DB 1; Length 17;
  Best Local Similarity 82.4%; Pred. No. 4.5e+02;
  Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1561 AATTTTTTTTACTGTTT 1577
         ||||||||| | ||| |
Db 17 AATTTTTTTGAATGTAT 1

RESULT 536
US-10-156-306-1543/c
; Sequence 1543, Application US/10156306
; Publication No. US20030119017A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relat
; TITLE OF INVENTION: Levels of IKK-Gamma and PKR
; FILE REFERENCE: MBHB01-664-A (400/050)
; CURRENT APPLICATION NUMBER: US/10/156,306
; CURRENT FILING DATE: 2002-05-28
; NUMBER OF SEQ ID NOS: 8013
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1543

```
   LENGTH: 17
   TYPE: RNA
   ORGANISM: Homo sapiens
S-10-156-306-1543

 Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
 Best Local Similarity   82.4%;  Pred. No. 4.5e+02;
 Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

/       1453 ACTTGTTTATTATGTAC 1469
             ||||||||  ||| |||
>         17 ACTTGTTTTGTATCTAC 1


ESULT 537
S-10-156-306-2751
 Sequence 2751, Application US/10156306
 Publication No. US20030119017A1
 GENERAL INFORMATION:
  APPLICANT: Ribozyme Pharmaceuticals, Inc.
  APPLICANT:  McSwiggen, James
  TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
  TITLE OF INVENTION:  Levels of IKK-Gamma and PKR
  FILE REFERENCE: MBHB01-664-A (400/050)
  CURRENT APPLICATION NUMBER: US/10/156,306
  CURRENT FILING DATE:  2002-05-28
  NUMBER OF SEQ ID NOS: 8013
  SOFTWARE: PatentIn version 3.0
 SEQ ID NO 2751
   LENGTH: 17
   TYPE: RNA
   ORGANISM: Homo sapiens
S-10-156-306-2751

 Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
 Best Local Similarity   52.9%;  Pred. No. 4.5e+02;
 Matches    9;  Conservative    5;  Mismatches    3;  Indels    0;  Gaps    0;

y       1020 AAGTGTAACTTATTAAC 1036
             || :|:|| ::|: |||
b          1 AACUGUAAAUUAUGAAC 17


ESULT 538
S-10-156-306-4363/c
 Sequence 4363, Application US/10156306
 Publication No. US20030119017A1
 GENERAL INFORMATION:
  APPLICANT: Ribozyme Pharmaceuticals, Inc.
  APPLICANT:  McSwiggen, James
  TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
  TITLE OF INVENTION:  Levels of IKK-Gamma and PKR
  FILE REFERENCE: MBHB01-664-A (400/050)
  CURRENT APPLICATION NUMBER: US/10/156,306
  CURRENT FILING DATE:  2002-05-28
  NUMBER OF SEQ ID NOS: 8013
  SOFTWARE: PatentIn version 3.0
 SEQ ID NO 4363
   LENGTH: 17
   TYPE: RNA
   ORGANISM: Homo sapiens
S-10-156-306-4363

 Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
 Best Local Similarity   82.4%;  Pred. No. 4.5e+02;
 Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

y        895 CTGTGCCTTGGTTTCTC 911
             |||  ||||| ||||| |
b         17 CTGGGCCTTAGTTTCCC 1


ESULT 539
US-10-156-306-4755/c
; Sequence 4755, Application US/10156306
; Publication No. US20030119017A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, James
;  TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
;  TITLE OF INVENTION:  Levels of IKK-Gamma and PKR
;  FILE REFERENCE: MBHB01-664-A (400/050)
;  CURRENT APPLICATION NUMBER: US/10/156,306
;  CURRENT FILING DATE:  2002-05-28
;  NUMBER OF SEQ ID NOS: 8013
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4755
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-10-156-306-4755

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 4.5e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy         896 TGTGCCTTGGTTTCTCC 912
               || ||||| ||||| ||
Db          17 TGGGCCTTAGTTTCCCC 1


RESULT 540
US-10-156-306-6797/c
; Sequence 6797, Application US/10156306
; Publication No. US20030119017A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, James
;  TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
;  TITLE OF INVENTION:  Levels of IKK-Gamma and PKR
;  FILE REFERENCE: MBHB01-664-A (400/050)
;  CURRENT APPLICATION NUMBER: US/10/156,306
;  CURRENT FILING DATE:  2002-05-28
;  NUMBER OF SEQ ID NOS: 8013
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 6797
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-10-156-306-6797

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 4.5e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy         893 CACTGTGCCTTGGTTTC 909
               | |||  ||||| |||||
Db          17 CTCTGGGCCTTAGTTTC 1


RESULT 541
US-10-157-580A-54/c
; Sequence 54, Application US/10157580A
; Publication No. US20030124513A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, Jim
;  TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases of Diseases or Condi
;  TITLE OF INVENTION:  Related To Levels Of HIV
;  FILE REFERENCE: MBHB01-665-A (400/051)
;  CURRENT APPLICATION NUMBER: US/10/157,580A
;  CURRENT FILING DATE:  2002-08-30
;  NUMBER OF SEQ ID NOS: 170
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 54
;   LENGTH: 17
```

```
;   TYPE: RNA
;   ORGANISM: Human immunodeficiency virus
JS-10-157-580A-54

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 4.5e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1479 CTTATAATATTATTTAA 1495
                ||||  || ||||||||
Db         17 CTTACTATTTTATTTAA 1


RESULT 542
JS-09-263-959-694/c
; Sequence 694, Application US/09263959
; Patent No. US20020150891A1
;  GENERAL INFORMATION:
;    APPLICANT:  Hood, Leroy E.
;    APPLICANT:  Rowen, Lee
;    APPLICANT:  Koop, Ben F.
;    TITLE OF INVENTION:  DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH UTI
;    NUMBER OF SEQUENCES:  1279
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Seed and Berry LLP
;      STREET:  6300 Columbia Center, 701 Fifth Avenue
;      CITY:  Seattle
;      STATE:  Washington
;      COUNTRY:  US
;      ZIP:  98104-7092
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/263,959
;      FILING DATE:  05-MAR-1999
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  McMasters, David D.
;      REGISTRATION NUMBER:  33,963
;      REFERENCE/DOCKET NUMBER:  920010.426C2
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (206) 622-4900
;      TELEFAX:  (206) 682-6031
;  INFORMATION FOR SEQ ID NO:  694:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-09-263-959-694

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 18;
  Best Local Similarity   82.4%;  Pred. No. 4.7e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1590 AAATATAAAAGTAAATA 1606
                ||||| | || ||||||
Db         17 AAATAAATAAATAAATA 1


RESULT 543
US-09-263-959-966
; Sequence 966, Application US/09263959
; Patent No. US20020150891A1
;  GENERAL INFORMATION:
;    APPLICANT:  Hood, Leroy E.
;    APPLICANT:  Rowen, Lee
;    APPLICANT:  Koop, Ben F.
;    TITLE OF INVENTION:  DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH UTI
;    NUMBER OF SEQUENCES:  1279
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Seed and Berry LLP
;      STREET:  6300 Columbia Center, 701 Fifth Avenue
;      CITY:  Seattle
;      STATE:  Washington
;      COUNTRY:  US
;      ZIP:  98104-7092
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/263,959
;      FILING DATE:  05-MAR-1999
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  McMasters, David D.
;      REGISTRATION NUMBER:  33,963
;      REFERENCE/DOCKET NUMBER:  920010.426C2
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (206) 622-4900
;      TELEFAX:  (206) 682-6031
;  INFORMATION FOR SEQ ID NO:  966:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-09-263-959-966

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 18;
  Best Local Similarity   82.4%;  Pred. No. 4.7e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1590 AAATATAAAAGTAAATA 1606
                ||||| | || ||||||
Db          2 AAATAAATAAATAAATA 18


RESULT 544
US-09-774-414-22/c
; Sequence 22, Application US/09774414
; Patent No. US20020102231A1
; GENERAL INFORMATION:
;  APPLICANT: The Institute of Physical and Chemical Research
;  TITLE OF INVENTION: Endonuclease
;  FILE REFERENCE: PH-651
;  CURRENT APPLICATION NUMBER: US/09/774,414
;  CURRENT FILING DATE:  2001-01-31
;  PRIOR APPLICATION NUMBER: 09/306,970
;  PRIOR FILING DATE: 1999-05-07
;  NUMBER OF SEQ ID NOS: 38
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 22
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:Synthetic DNA
US-09-774-414-22

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 18;
  Best Local Similarity   82.4%;  Pred. No. 4.7e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1247 CAGATAAACAACAAATA 1263
                ||||||| ||| || ||
Db         17 CAGATAACCAATAATTA 1


RESULT 545
US-09-263-959-754
```

Sequence 754, Application US/09263959
Patent No. US20020150891A1
GENERAL INFORMATION:
APPLICANT: Hood, Leroy E.
APPLICANT: Rowen, Lee
APPLICANT: Koop, Ben F.
TITLE OF INVENTION: DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH UTI
NUMBER OF SEQUENCES: 1279
CORRESPONDENCE ADDRESS:
ADDRESSEE: Seed and Berry LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: US
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/263,959
FILING DATE: 05-MAR-1999
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: McMasters, David D.
REGISTRATION NUMBER: 33,963
REFERENCE/DOCKET NUMBER: 920010.426C2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 754:
SEQUENCE CHARACTERISTICS:
LENGTH: 19 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-09-263-959-754

Query Match 1.0%; Score 12.2; DB 1; Length 19;
Best Local Similarity 82.4%; Pred. No. 4.8e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1590 AAATATAAAAGTAAATA 1606
||||| | || ||||||
Db 2 AAATAAATAAATAAATA 18

RESULT 546
US-09-882-945A-309/c
Sequence 309, Application US/09882945A
Publication No. US20030143535A1
GENERAL INFORMATION:
APPLICANT: Lyamichev, Victor
APPLICANT: Allawi, Hatim
APPLICANT: Dong, Fang
APPLICANT: Neri, Bruce
APPLICANT: Vener, Tatiana
TITLE OF INVENTION: Nucleic Acid Accessible Hybridization Sites
FILE REFERENCE: FORS-04586
CURRENT APPLICATION NUMBER: US/09/882,945A
CURRENT FILING DATE: 2001-06-15
NUMBER OF SEQ ID NOS: 334
SOFTWARE: PatentIn version 3.0
SEQ ID NO 309
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Synthetic
US-09-882-945A-309

Query Match 1.0%; Score 12.2; DB 1; Length 20;
Best Local Similarity 82.4%; Pred. No. 5e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 552 TTTTTCATTGTACCATG 568
| |||||| |||| ||
Db 17 TATTTCATGGTACAATG 1

RESULT 547
US-09-752-983-239
Sequence 239, Application US/09752983
Patent No. US20010016575A1
GENERAL INFORMATION:
APPLICANT: Loren J. Miraglia, Pamela Nero, Mark J.
APPLICANT: Graham, Brett P. Monia
TITLE OF INVENTION: ANTISENSE MODULATION OF HUMAN MDM2
TITLE OF INVENTION: EXPRESSION
NUMBER OF SEQUENCES: 271
CORRESPONDENCE ADDRESS:
ADDRESSEE: Law Offices of Jane Massey Licata
STREET: 66 East Main Street
CITY: Marlton
STATE: NJ
COUNTRY: U.S.A.
ZIP: 08053
COMPUTER READABLE FORM:
MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
COMPUTER: IBM PC
OPERATING SYSTEM: WINDOWS 95
SOFTWARE: WORDPERFECT 6.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/752,983
FILING DATE: 02-Jan-2001
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/280,805
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Licata, Jane Massey
REGISTRATION NUMBER: 32,257
REFERENCE/DOCKET NUMBER: ISPH-0346
TELECOMMUNICATION INFORMATION:
TELEPHONE: 609-810-1515
TELEFAX: 609-810-1454
INFORMATION FOR SEQ ID NO: 239:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
TYPE: Nucleic Acid
STRANDEDNESS: Single
TOPOLOGY: Linear
ANTI-SENSE: Yes
US-09-752-983-239

Query Match 1.0%; Score 12.2; DB 1; Length 20;
Best Local Similarity 82.4%; Pred. No. 5e+02;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1603 AATATGAAACATTTAAA 1619
|||| | |||||||||
Db 2 AATAAGTTACATTTAAA 18

RESULT 548
US-10-005-344-239
Sequence 239, Application US/10005344
Publication No. US20030203862A1
GENERAL INFORMATION:
APPLICANT: Loren J. Miraglia
APPLICANT: Pamela Nero
APPLICANT: Mark J. Graham
APPLICANT: Brett P. Monia
APPLICANT: Erich Koller
APPLICANT: MingYi Chiang

```
;  APPLICANT:  Mano Manoharan
;  TITLE OF INVENTION: Antisense Modulation of mdm2 expression.
;  FILE REFERENCE: ISPH-0622
;  CURRENT APPLICATION NUMBER: US/10/005,344
;  CURRENT FILING DATE:  2001-12-04
;  PRIOR APPLICATION NUMBER: US 09/048,810
;  PRIOR FILING DATE: 1998-03-26
;  PRIOR APPLICATION NUMBER: US 09/280,805
;  PRIOR FILING DATE: 1999-03-26
;  NUMBER OF SEQ ID NOS: 379
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 239
;    LENGTH: 20
;    TYPE: DNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: Antisense Oligonucleotide
US-10-005-344-239

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 20;
  Best Local Similarity   82.4%;  Pred. No. 5e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1603 AATATGAAACATTTAAA 1619
                ||||| |  |||||||||
Db          2 AATAAGTTACATTTAAA 18


RESULT 549
US-10-024-396-76
; Sequence 76, Application US/10024396
; Publication No. US20030147864A1
; GENERAL INFORMATION:
;  APPLICANT: Kenneth W. Dobie
;  TITLE OF INVENTION: ANTISENSE MODULATION OF CD36L1 EXPRESSION
;  FILE REFERENCE: RTS-0339
;  CURRENT APPLICATION NUMBER: US/10/024,396
;  CURRENT FILING DATE:  2001-12-18
;  NUMBER OF SEQ ID NOS: 91
; SEQ ID NO 76
;    LENGTH: 20
;    TYPE: DNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: Antisense Oligonucleotide
US-10-024-396-76

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 20;
  Best Local Similarity   82.4%;  Pred. No. 5e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1192 CAGGGTTTTTAGATTAA 1208
                |||| ||| ||||| ||
Db          2 CAGGATTTGTAGATAAA 18


RESULT 550
US-10-117-955B-3/c
; Sequence 3, Application US/10117955B
; Publication No. US20030199453A1
; GENERAL INFORMATION:
;  APPLICANT: Giordano, Tony
;  APPLICANT:  Sturgess, Michael A.
;  TITLE OF INVENTION: Small Molecule Inhibitors of Secretion
;  TITLE OF INVENTION:  of Proteins Encoded by ARE-mRNAs
;  FILE REFERENCE: 50093/018002
;  CURRENT APPLICATION NUMBER: US/10/117,955B
;  CURRENT FILING DATE:  2002-04-08
;  PRIOR APPLICATION NUMBER: US 60/282,974
;  PRIOR FILING DATE: 2001-04-10
;  NUMBER OF SEQ ID NOS: 7
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 3
;    LENGTH: 21
;    TYPE: RNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: consensus motif
US-10-117-955B-3

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 21;
  Best Local Similarity   82.4%;  Pred. No. 5.1e+02;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1590 AAATATAAAAGTAAATA 1606
                ||||| | || ||||||
Db         20 AAATAAATAAATAAATA 4


RESULT 551
US-09-864-636A-1130
; Sequence 1130, Application US/09864636A
; Publication No. US20030104378A1
; GENERAL INFORMATION:
;  APPLICANT: Third Wave Technologies
;  APPLICANT:  Allwai, Hatim
;  APPLICANT:  Bartholomay, Christian
;  APPLICANT:  Chehak, LuAnne
;  TITLE OF INVENTION: Detection of RNA Sequences
;  FILE REFERENCE: FORS-04944
;  CURRENT APPLICATION NUMBER: US/09/864,636A
;  CURRENT FILING DATE:  2002-10-15
;  NUMBER OF SEQ ID NOS: 2640
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1130
;    LENGTH: 35
;    TYPE: DNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: Synthetic
US-09-864-636A-1130

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 35;
  Best Local Similarity   68.0%;  Pred. No. 5.7e+02;
  Matches   17;  Conservative    0;  Mismatches    8;  Indels    0;  Gaps    0;

Qy       1131 TGTTATAGTAAATTTATTTTATTTT 1155
                ||||  |||| ||||  || |  ||
Db          3 TGTTGAAGTAGATTTGCTTGAAGTT 27


RESULT 552
US-09-864-636A-1153
; Sequence 1153, Application US/09864636A
; Publication No. US20030104378A1
; GENERAL INFORMATION:
;  APPLICANT: Third Wave Technologies
;  APPLICANT:  Allwai, Hatim
;  APPLICANT:  Bartholomay, Christian
;  APPLICANT:  Chehak, LuAnne
;  TITLE OF INVENTION: Detection of RNA Sequences
;  FILE REFERENCE: FORS-04944
;  CURRENT APPLICATION NUMBER: US/09/864,636A
;  CURRENT FILING DATE:  2002-10-15
;  NUMBER OF SEQ ID NOS: 2640
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1153
;    LENGTH: 35
;    TYPE: DNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: Synthetic
US-09-864-636A-1153

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 35;
  Best Local Similarity   68.0%;  Pred. No. 5.7e+02;
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```
 Matches   17;  Conservative    0;  Mismatches    8;  Indels    0;  Gaps    0;

Qy       1131 TGTTATAGTAAATTTATTTTATTTT 1155
             |||| |||| |||| || | ||
Db          3 TGTTGAAGTAGATTTGCTTGAAGTT 27


RESULT 553
US-09-864-636A-1158
 Sequence 1158, Application US/09864636A
 Publication No. US20030104378A1
 GENERAL INFORMATION:
  APPLICANT: Third Wave Technologies
  APPLICANT:  Allwai, Hatim
  APPLICANT:  Bartholomay, Christian
  APPLICANT:  Chehak, LuAnne
  TITLE OF INVENTION: Detection of RNA Sequences
  FILE REFERENCE: FORS-04944
  CURRENT APPLICATION NUMBER: US/09/864,636A
  CURRENT FILING DATE:  2002-10-15
  NUMBER OF SEQ ID NOS: 2640
  SOFTWARE: PatentIn version 3.0
 SEQ ID NO 1158
   LENGTH: 35
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Synthetic
US-09-864-636A-1158

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 35;
  Best Local Similarity   68.0%;  Pred. No. 5.7e+02;
  Matches   17;  Conservative    0;  Mismatches    8;  Indels    0;  Gaps    0;

Qy       1131 TGTTATAGTAAATTTATTTTATTTT 1155
             |||| |||| |||| || | ||
Db          3 TGTTGAAGTAGATTTGCTTGAAGTT 27


RESULT 554
US-09-864-636A-1163
; Sequence 1163, Application US/09864636A
; Publication No. US20030104378A1
; GENERAL INFORMATION:
;  APPLICANT: Third Wave Technologies
;  APPLICANT:  Allwai, Hatim
;  APPLICANT:  Bartholomay, Christian
;  APPLICANT:  Chehak, LuAnne
;  TITLE OF INVENTION: Detection of RNA Sequences
;  FILE REFERENCE: FORS-04944
;  CURRENT APPLICATION NUMBER: US/09/864,636A
;  CURRENT FILING DATE:  2002-10-15
;  NUMBER OF SEQ ID NOS: 2640
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1163
;   LENGTH: 35
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic
US-09-864-636A-1163

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 35;
  Best Local Similarity   68.0%;  Pred. No. 5.7e+02;
  Matches   17;  Conservative    0;  Mismatches    8;  Indels    0;  Gaps    0;

Qy       1131 TGTTATAGTAAATTTATTTTATTTT 1155
             |||| |||| |||| || | ||
Db          3 TGTTGAAGTAGATTTGCTTGAAGTT 27


RESULT 555
US-10-084-839-1130
; Sequence 1130, Application US/10084839
; Publication No. US20030186238A1
; GENERAL INFORMATION:
;  APPLICANT: Third Wave Technologies
;  APPLICANT:  Allawi, Hatim
;  APPLICANT:  Argue, Brad T.
;  APPLICANT:  Bartholomay, Christian T.
;  APPLICANT:  Chehak, LuAnne
;  APPLICANT:  Curtis, Michelle L.
;  APPLICANT:  Eis, Peggy S.
;  APPLICANT:  Hall, Jeff G.
;  APPLICANT:  Ip, Hon S.
;  APPLICANT:  Ji, Lin
;  APPLICANT:  Kaiser, Michael
;  APPLICANT:  Kwiatkowski, Jr., Robert W.
;  APPLICANT:  Lukowiak, Andrew A.
;  APPLICANT:  Lyamichev, Victor
;  APPLICANT:  Lymaicheva, Natalie E.
;  APPLICANT:  Ma, WuPo
;  APPLICANT:  Neri, Bruce P.
;  APPLICANT:  Olson, Sarah M.
;  APPLICANT:  Olson-Munoz, Marilyn C.
;  APPLICANT:  Schaefer, James J.
;  APPLICANT:  Skrzypczynski, Zbigniew
;  APPLICANT:  Takova, Tsetska Y.
;  APPLICANT:  Thompson, Lisa C.
;  APPLICANT:  Vedvik, Kevin L.
;  TITLE OF INVENTION: RNA Detection Assays
;  FILE REFERENCE: FORS-06666
;  CURRENT APPLICATION NUMBER: US/10/084,839
;  CURRENT FILING DATE:  2002-02-26
;  NUMBER OF SEQ ID NOS: 4004
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1130
;   LENGTH: 35
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic
US-10-084-839-1130

  Query Match             1.0%;  Score 12.2;  DB 1;  Length 35;
  Best Local Similarity   68.0%;  Pred. No. 5.7e+02;
  Matches   17;  Conservative    0;  Mismatches    8;  Indels    0;  Gaps    0;

Qy       1131 TGTTATAGTAAATTTATTTTATTTT 1155
             |||| |||| |||| || | ||
Db          3 TGTTGAAGTAGATTTGCTTGAAGTT 27


RESULT 556
US-10-084-839-1153
; Sequence 1153, Application US/10084839
; Publication No. US20030186238A1
; GENERAL INFORMATION:
;  APPLICANT: Third Wave Technologies
;  APPLICANT:  Allawi, Hatim
;  APPLICANT:  Argue, Brad T.
;  APPLICANT:  Bartholomay, Christian T.
;  APPLICANT:  Chehak, LuAnne
;  APPLICANT:  Curtis, Michelle L.
;  APPLICANT:  Eis, Peggy S.
;  APPLICANT:  Hall, Jeff G.
;  APPLICANT:  Ip, Hon S.
;  APPLICANT:  Ji, Lin
;  APPLICANT:  Kaiser, Michael
;  APPLICANT:  Kwiatkowski, Jr., Robert W.
;  APPLICANT:  Lukowiak, Andrew A.
;  APPLICANT:  Lyamichev, Victor
;  APPLICANT:  Lymaicheva, Natalie E.
;  APPLICANT:  Ma, WuPo
;  APPLICANT:  Neri, Bruce P.
;  APPLICANT:  Olson, Sarah M.
```

; APPLICANT: Olson-Munoz, Marilyn C.
; APPLICANT: Schaefer, James J.
; APPLICANT: Skrzypczynski, Zbigniew
; APPLICANT: Takova, Tsetska Y.
; APPLICANT: Thompson, Lisa C.
; APPLICANT: Vedvik, Kevin L.
; TITLE OF INVENTION: RNA Detection Assays
; FILE REFERENCE: FORS-06666
; CURRENT APPLICATION NUMBER: US/10/084,839
; CURRENT FILING DATE: 2002-02-26
; NUMBER OF SEQ ID NOS: 4004
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1153
; LENGTH: 35
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-10-084-839-1153

Query Match 1.0%; Score 12.2; DB 1; Length 35;
Best Local Similarity 68.0%; Pred. No. 5.7e+02;
Matches 17; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy 1131 TGTTATAGTAAATTTATTTTATTTT 1155
|||| |||| |||| || | ||
Db 3 TGTTGAAGTAGATTTGCTTGAAGTT 27

RESULT 557
US-10-084-839-1158
; Sequence 1158, Application US/10084839
; Publication No. US20030186238A1
; GENERAL INFORMATION:
; APPLICANT: Third Wave Technologies
; APPLICANT: Allawi, Hatim
; APPLICANT: Argue, Brad T.
; APPLICANT: Bartholomay, Christian T.
; APPLICANT: Chehak, LuAnne
; APPLICANT: Curtis, Michelle L.
; APPLICANT: Eis, Peggy S.
; APPLICANT: Hall, Jeff G.
; APPLICANT: Ip, Hon S.
; APPLICANT: Ji, Lin
; APPLICANT: Kaiser, Michael
; APPLICANT: Kwiatkowski, Jr., Robert W.
; APPLICANT: Lukowiak, Andrew A.
; APPLICANT: Lyamichev, Victor
; APPLICANT: Lymaicheva, Natalie E.
; APPLICANT: Ma, WuPo
; APPLICANT: Neri, Bruce P.
; APPLICANT: Olson, Sarah M.
; APPLICANT: Olson-Munoz, Marilyn C.
; APPLICANT: Schaefer, James J.
; APPLICANT: Skrzypczynski, Zbigniew
; APPLICANT: Takova, Tsetska Y.
; APPLICANT: Thompson, Lisa C.
; APPLICANT: Vedvik, Kevin L.
; TITLE OF INVENTION: RNA Detection Assays
; FILE REFERENCE: FORS-06666
; CURRENT APPLICATION NUMBER: US/10/084,839
; CURRENT FILING DATE: 2002-02-26
; NUMBER OF SEQ ID NOS: 4004
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1158
; LENGTH: 35
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-10-084-839-1158

Query Match 1.0%; Score 12.2; DB 1; Length 35;
Best Local Similarity 68.0%; Pred. No. 5.7e+02;
Matches 17; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy 1131 TGTTATAGTAAATTTATTTTATTTT 1155
|||| |||| |||| || | ||
Db 3 TGTTGAAGTAGATTTGCTTGAAGTT 27

RESULT 558
US-10-084-839-1163
; Sequence 1163, Application US/10084839
; Publication No. US20030186238A1
; GENERAL INFORMATION:
; APPLICANT: Third Wave Technologies
; APPLICANT: Allawi, Hatim
; APPLICANT: Argue, Brad T.
; APPLICANT: Bartholomay, Christian T.
; APPLICANT: Chehak, LuAnne
; APPLICANT: Curtis, Michelle L.
; APPLICANT: Eis, Peggy S.
; APPLICANT: Hall, Jeff G.
; APPLICANT: Ip, Hon S.
; APPLICANT: Ji, Lin
; APPLICANT: Kaiser, Michael
; APPLICANT: Kwiatkowski, Jr., Robert W.
; APPLICANT: Lukowiak, Andrew A.
; APPLICANT: Lyamichev, Victor
; APPLICANT: Lymaicheva, Natalie E.
; APPLICANT: Ma, WuPo
; APPLICANT: Neri, Bruce P.
; APPLICANT: Olson, Sarah M.
; APPLICANT: Olson-Munoz, Marilyn C.
; APPLICANT: Schaefer, James J.
; APPLICANT: Skrzypczynski, Zbigniew
; APPLICANT: Takova, Tsetska Y.
; APPLICANT: Thompson, Lisa C.
; APPLICANT: Vedvik, Kevin L.
; TITLE OF INVENTION: RNA Detection Assays
; FILE REFERENCE: FORS-06666
; CURRENT APPLICATION NUMBER: US/10/084,839
; CURRENT FILING DATE: 2002-02-26
; NUMBER OF SEQ ID NOS: 4004
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1163
; LENGTH: 35
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-10-084-839-1163

Query Match 1.0%; Score 12.2; DB 1; Length 35;
Best Local Similarity 68.0%; Pred. No. 5.7e+02;
Matches 17; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy 1131 TGTTATAGTAAATTTATTTTATTTT 1155
|||| |||| |||| || | ||
Db 3 TGTTGAAGTAGATTTGCTTGAAGTT 27

RESULT 559
US-09-757-049A-30/c
; Sequence 30, Application US/09757049A
; Patent No. US20020127702A1
; GENERAL INFORMATION:
; APPLICANT: BERNSTEIN, Harold S.
; APPLICANT: COUGHLIN, Shaun R.
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR REGULATING CELL CYCLE
; TITLE OF INVENTION: PROGRESSION
; FILE REFERENCE: UCSF-020/02US
; CURRENT APPLICATION NUMBER: US/09/757,049A
; CURRENT FILING DATE: 2001-01-08
; PRIOR APPLICATION NUMBER: US 09/156,316

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;  PRIOR FILING DATE: 1998-09-18
;  PRIOR APPLICATION NUMBER: US 60/060,688
;  PRIOR FILING DATE: 1997-09-22
;  NUMBER OF SEQ ID NOS: 50
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 30
:   LENGTH: 12
:   TYPE: DNA
:   ORGANISM: Artificial Sequence
:   FEATURE:
    OTHER INFORMATION: Description of Artificial Sequence: Synthetic
IS-09-757-049A-30

  Query Match             1.0%;  Score 12;  DB 1;  Length 12;
  Best Local Similarity   100.0%;  Pred. No. 3.6e+02;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        838 TTCTGTTAAATC 849
              ||||||||||||
Db         12 TTCTGTTAAATC 1


RESULT 560
IS-09-263-959-617
  Sequence 617, Application US/09263959
  Patent No. US20020150891A1
   GENERAL INFORMATION:
     APPLICANT:  Hood, Leroy E.
     APPLICANT:  Rowen, Lee
     APPLICANT:  Koop, Ben F.
     TITLE OF INVENTION:  DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH UTI
     NUMBER OF SEQUENCES:  1279
     CORRESPONDENCE ADDRESS:
       ADDRESSEE:  Seed and Berry LLP
       STREET:  6300 Columbia Center, 701 Fifth Avenue
       CITY:  Seattle
       STATE:  Washington
       COUNTRY:  US
       ZIP:  98104-7092
     COMPUTER READABLE FORM:
       MEDIUM TYPE:  Floppy disk
       COMPUTER:  IBM PC compatible
       OPERATING SYSTEM:  PC-DOS/MS-DOS
       SOFTWARE:  PatentIn Release #1.0, Version #1.25
     CURRENT APPLICATION DATA:
       APPLICATION NUMBER:  US/09/263,959
       FILING DATE:  05-MAR-1999
       CLASSIFICATION:
     ATTORNEY/AGENT INFORMATION:
       NAME:  McMasters, David D.
       REGISTRATION NUMBER:  33,963
       REFERENCE/DOCKET NUMBER:  920010.426C2
     TELECOMMUNICATION INFORMATION:
       TELEPHONE:  (206) 622-4900
       TELEFAX:  (206) 682-6031
    INFORMATION FOR SEQ ID NO:  617:
     SEQUENCE CHARACTERISTICS:
       LENGTH:  12 base pairs
       TYPE:  nucleic acid
       STRANDEDNESS:  single
       TOPOLOGY:  linear
IS-09-263-959-617

  Query Match             1.0%;  Score 12;  DB 1;  Length 12;
  Best Local Similarity   100.0%;  Pred. No. 3.6e+02;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1143 TTTATTTTATTT 1154
              ||||||||||||
Db          1 TTTATTTTATTT 12


ESULT 561
US-09-263-959-666
; Sequence 666, Application US/09263959
; Patent No. US20020150891A1
;  GENERAL INFORMATION:
;    APPLICANT:  Hood, Leroy E.
;    APPLICANT:  Rowen, Lee
;    APPLICANT:  Koop, Ben F.
;    TITLE OF INVENTION:  DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH UTI
;    NUMBER OF SEQUENCES:  1279
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Seed and Berry LLP
;      STREET:  6300 Columbia Center, 701 Fifth Avenue
;      CITY:  Seattle
;      STATE:  Washington
;      COUNTRY:  US
;      ZIP:  98104-7092
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/263,959
;      FILING DATE:  05-MAR-1999
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  McMasters, David D.
;      REGISTRATION NUMBER:  33,963
;      REFERENCE/DOCKET NUMBER:  920010.426C2
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (206) 622-4900
;      TELEFAX:  (206) 682-6031
;  INFORMATION FOR SEQ ID NO:  666:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  12 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-09-263-959-666

  Query Match             1.0%;  Score 12;  DB 1;  Length 12;
  Best Local Similarity   100.0%;  Pred. No. 3.6e+02;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1143 TTTATTTTATTT 1154
              ||||||||||||
Db          1 TTTATTTTATTT 12


RESULT 562
US-09-263-959-692
; Sequence 692, Application US/09263959
; Patent No. US20020150891A1
;  GENERAL INFORMATION:
;    APPLICANT:  Hood, Leroy E.
;    APPLICANT:  Rowen, Lee
;    APPLICANT:  Koop, Ben F.
;    TITLE OF INVENTION:  DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH UTI
;    NUMBER OF SEQUENCES:  1279
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Seed and Berry LLP
;      STREET:  6300 Columbia Center, 701 Fifth Avenue
;      CITY:  Seattle
;      STATE:  Washington
;      COUNTRY:  US
;      ZIP:  98104-7092
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/263,959
```

```
;      FILING DATE:  05-MAR-1999
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  McMasters, David D.
;      REGISTRATION NUMBER:  33,963
;      REFERENCE/DOCKET NUMBER:  920010.426C2
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (206) 622-4900
;      TELEFAX:  (206) 682-6031
;  INFORMATION FOR SEQ ID NO:  692:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  12 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-09-263-959-692

  Query Match             1.0%;  Score 12;  DB 1;  Length 12;
  Best Local Similarity   100.0%;  Pred. No. 3.6e+02;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1143 TTTATTTTATTT 1154
             ||||||||||||
Db          1 TTTATTTTATTT 12


RESULT 563
US-09-263-959-799
; Sequence 799, Application US/09263959
; Patent No. US20020150891A1
;  GENERAL INFORMATION:
;    APPLICANT:  Hood, Leroy E.
;    APPLICANT:  Rowen, Lee
;    APPLICANT:  Koop, Ben F.
;    TITLE OF INVENTION:  DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH UTI
;    NUMBER OF SEQUENCES:  1279
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Seed and Berry LLP
;      STREET:  6300 Columbia Center, 701 Fifth Avenue
;      CITY:  Seattle
;      STATE:  Washington
;      COUNTRY:  US
;      ZIP:  98104-7092
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/263,959
;      FILING DATE:  05-MAR-1999
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  McMasters, David D.
;      REGISTRATION NUMBER:  33,963
;      REFERENCE/DOCKET NUMBER:  920010.426C2
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (206) 622-4900
;      TELEFAX:  (206) 682-6031
;  INFORMATION FOR SEQ ID NO:  799:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  12 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-09-263-959-799

  Query Match             1.0%;  Score 12;  DB 1;  Length 12;
  Best Local Similarity   100.0%;  Pred. No. 3.6e+02;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1144 TTATTTTATTTT 1155
             ||||||||||||
Db          1 TTATTTTATTTT 12


RESULT 564
US-09-263-959-814
; Sequence 814, Application US/09263959
; Patent No. US20020150891A1
;  GENERAL INFORMATION:
;    APPLICANT:  Hood, Leroy E.
;    APPLICANT:  Rowen, Lee
;    APPLICANT:  Koop, Ben F.
;    TITLE OF INVENTION:  DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH UTI
;    NUMBER OF SEQUENCES:  1279
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Seed and Berry LLP
;      STREET:  6300 Columbia Center, 701 Fifth Avenue
;      CITY:  Seattle
;      STATE:  Washington
;      COUNTRY:  US
;      ZIP:  98104-7092
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/263,959
;      FILING DATE:  05-MAR-1999
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  McMasters, David D.
;      REGISTRATION NUMBER:  33,963
;      REFERENCE/DOCKET NUMBER:  920010.426C2
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (206) 622-4900
;      TELEFAX:  (206) 682-6031
;  INFORMATION FOR SEQ ID NO:  814:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  12 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-09-263-959-814

  Query Match             1.0%;  Score 12;  DB 1;  Length 12;
  Best Local Similarity   100.0%;  Pred. No. 3.6e+02;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1144 TTATTTTATTTT 1155
             ||||||||||||
Db          1 TTATTTTATTTT 12


RESULT 565
US-09-263-959-829/c
; Sequence 829, Application US/09263959
; Patent No. US20020150891A1
;  GENERAL INFORMATION:
;    APPLICANT:  Hood, Leroy E.
;    APPLICANT:  Rowen, Lee
;    APPLICANT:  Koop, Ben F.
;    TITLE OF INVENTION:  DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH UTI
;    NUMBER OF SEQUENCES:  1279
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Seed and Berry LLP
;      STREET:  6300 Columbia Center, 701 Fifth Avenue
;      CITY:  Seattle
;      STATE:  Washington
;      COUNTRY:  US
;      ZIP:  98104-7092
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
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      OPERATING SYSTEM:  PC-DOS/MS-DOS
      SOFTWARE:  PatentIn Release #1.0, Version #1.25
    CURRENT APPLICATION DATA:
      APPLICATION NUMBER:  US/09/263,959
      FILING DATE:  05-MAR-1999
      CLASSIFICATION:
    ATTORNEY/AGENT INFORMATION:
      NAME:  McMasters, David D.
      REGISTRATION NUMBER:  33,963
      REFERENCE/DOCKET NUMBER:  920010.426C2
    TELECOMMUNICATION INFORMATION:
      TELEPHONE:  (206) 622-4900
      TELEFAX:  (206) 682-6031
  INFORMATION FOR SEQ ID NO:  829:
    SEQUENCE CHARACTERISTICS:
      LENGTH:  12 base pairs
      TYPE:  nucleic acid
      STRANDEDNESS:  single
      TOPOLOGY:  linear
S-09-263-959-829

 Query Match             1.0%;  Score 12;  DB 1;  Length 12;
 Best Local Similarity   100.0%;  Pred. No. 3.6e+02;
 Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

y       1143 TTTATTTTATTT 1154
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ESULT 566
S-10-091-281-90
 Sequence 90, Application US/10091281
 Publication No. US20030190617A1
 GENERAL INFORMATION:
  APPLICANT: RAYMOND, VINCENT
  APPLICANT:  SI, ERWIN
  APPLICANT:  MORISETTE, JEAN
  TITLE OF INVENTION: OPTINEURIN NUCLEIC ACID MOLECULES AND USES THEREOF
  FILE REFERENCE: 13587.338
  CURRENT APPLICATION NUMBER: US/10/091,281
  CURRENT FILING DATE:  2002-03-06
  NUMBER OF SEQ ID NOS: 463
  SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO 90
   LENGTH: 12
   TYPE: DNA
   ORGANISM: Homo sapiens
   FEATURE:
   OTHER INFORMATION: Putative MYT1/MYT1.01 motif
S-10-091-281-90

 Query Match             1.0%;  Score 12;  DB 1;  Length 12;
 Best Local Similarity   100.0%;  Pred. No. 3.6e+02;
 Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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ESULT 567
S-09-978-295A-556
 Sequence 556, Application US/09978295A
 Patent No. US20020156006A1
 GENERAL INFORMATION:
  APPLICANT: Ashkenazi, Avi
  APPLICANT:  Baker Kevin P.
  APPLICANT:  Botstein, David
  APPLICANT:  Desnoyers, Luc
  APPLICANT:  Eaton, Dan
  APPLICANT:  Ferrara, Napoleon
  APPLICANT:  Filvaroff, Ellen
;  APPLICANT:  Fong, Sherman
;  APPLICANT:  Gao, Wei-Qiang
;  APPLICANT:  Gerber, Hanspeter
;  APPLICANT:  Gerritsen, Mary E.
;  APPLICANT:  Goddard, Audrey
;  APPLICANT:  Godowski, Paul J.
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;  APPLICANT:  Gurney, Austin L.
;  APPLICANT:  Hillan, Kenneth J
;  APPLICANT:  Kljavin, Ivar J.
;  APPLICANT:  Kuo, Sophia S.
;  APPLICANT:  Napier, Mary A.
;  APPLICANT:  Pan, James;
;  APPLICANT:  Paoni, Nicholas F.
;  APPLICANT:  Roy, Margaret Ann
;  APPLICANT:  Shelton, David L.
;  APPLICANT:  Stewart, Timothy A.
;  APPLICANT:  Tumas, Daniel
;  APPLICANT:  Williams, P. Mickey
;  APPLICANT:  Wood, William I.
;  TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;  TITLE OF INVENTION:  Acids Encoding the Same
;  FILE REFERENCE: P2630P1C11
;  CURRENT APPLICATION NUMBER: US/09/978,295A
;  CURRENT FILING DATE:  2001-10-15
;  PRIOR APPLICATION NUMBER: 09/918585
;  PRIOR FILING DATE: 2001-07-30
;  PRIOR APPLICATION NUMBER: 60/062250
;  PRIOR FILING DATE: 1997-10-17
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; PRIOR APPLICATION NUMBER: 60/085697

Query Match 1.0%; Score 12; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy        692 TGGGCCAAGGGC 703
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Db          1 TGGGCCAAGGGC 12
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RESULT 568
US-09-978-697-556
; Sequence 556, Application US/09978697
; Patent No. US20020169284A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher

; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630P1C27
; CURRENT APPLICATION NUMBER: US/09/978,697
; CURRENT FILING DATE: 2001-10-16
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250
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RESULT 569
US-09-978-192A-556
; Sequence 556, Application US/09978192A
; Patent No. US20020177553A1
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; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
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; APPLICANT: Eaton, Dan
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; APPLICANT: Filvaroff, Ellen
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; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630P1C9
; CURRENT APPLICATION NUMBER: US/09/978,192A
; CURRENT FILING DATE: 2001-10-15
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250
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; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085697

Query Match 1.0%; Score 12; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 692 TGGGCCAAGGGC 703
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Db 1 TGGGCCAAGGGC 12

RESULT 570
US-09-999-832A-556
; Sequence 556, Application US/09999832A
; Publication No. US20020192706A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630P1C63
; CURRENT APPLICATION NUMBER: US/09/999,832A
; CURRENT FILING DATE: 2001-10-24
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
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Query Match 1.0%; Score 12; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 692 TGGGCCAAGGGC 703
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RESULT 571
US-09-978-189-556
Sequence 556, Application US/09978189
Publication No. US20030004102A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi
APPLICANT: Baker Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan
APPLICANT: Ferrara, Napoleon
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J
APPLICANT: Kljavin, Ivar J.
APPLICANT: Kuo, Sophia S.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James;
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2630P1C7
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CURRENT FILING DATE: 2001-10-15
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Query Match 1.0%; Score 12; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 572
US-09-978-608A-556
; Sequence 556, Application US/09978608A
; Publication No. US20030045462A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630P1C22
; CURRENT APPLICATION NUMBER: US/09/978,608A
; CURRENT FILING DATE: 2001-10-16
; NUMBER OF SEQ ID NOS: 624
; Prior Application removed - See File Wrapper or Palm
; SEQ ID NO 556
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic oligonucleotide probe
US-09-978-608A-556

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 Query Match             1.0%;  Score 12;  DB 1;  Length 15;
 Best Local Similarity   100.0%;  Pred. No. 4.3e+02;
 Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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ESULT 573
S-09-978-585A-556
 Sequence 556, Application US/09978585A
 Publication No. US20030049633A1
 GENERAL INFORMATION:
  APPLICANT: Ashkenazi, Avi
  APPLICANT:  Baker Kevin P.
  APPLICANT:  Botstein, David
  APPLICANT:  Desnoyers, Luc
  APPLICANT:  Eaton, Dan
  APPLICANT:  Ferrara, Napoleon
  APPLICANT:  Filvaroff, Ellen
  APPLICANT:  Fong, Sherman
  APPLICANT:  Gao, Wei-Qiang
  APPLICANT:  Gerber, Hanspeter
  APPLICANT:  Gerritsen, Mary E.
  APPLICANT:  Goddard, Audrey
  APPLICANT:  Godowski, Paul J.
  APPLICANT:  Grimaldi, J. Christopher
  APPLICANT:  Gurney, Austin L.
  APPLICANT:  Hillan, Kenneth J
  APPLICANT:  Kljavin, Ivar J.
  APPLICANT:  Kuo, Sophia S.
  APPLICANT:  Napier, Mary A.
  APPLICANT:  Pan, James;
  APPLICANT:  Paoni, Nicholas F.
  APPLICANT:  Roy, Margaret Ann
  APPLICANT:  Shelton, David L.
  APPLICANT:  Stewart, Timothy A.
  APPLICANT:  Tumas, Daniel
  APPLICANT:  Williams, P. Mickey
  APPLICANT:  Wood, William I.
  TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
  TITLE OF INVENTION:  Acids Encoding the Same
  FILE REFERENCE: P2630P1C15
  CURRENT APPLICATION NUMBER: US/09/978,585A
  CURRENT FILING DATE:  2001-10-16
  NUMBER OF SEQ ID NOS: 624
 Prior Application removed - See File Wrapper or Palm
 SEQ ID NO 556
   LENGTH: 15
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Synthetic oligonucleotide probe
S-09-978-585A-556

 Query Match             1.0%;  Score 12;  DB 1;  Length 15;
 Best Local Similarity   100.0%;  Pred. No. 4.3e+02;
 Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Y        692 TGGGCCAAGGGC 703
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D          1 TGGGCCAAGGGC 12


ESULT 574
S-09-978-191A-556
 Sequence 556, Application US/09978191A
 Publication No. US20030050239A1
 GENERAL INFORMATION:
  APPLICANT: Ashkenazi, Avi
  APPLICANT:  Baker Kevin P.
  APPLICANT:  Botstein, David
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; APPLICANT:  Fong, Sherman
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; APPLICANT:  Grimaldi, J. Christopher
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; APPLICANT:  Kljavin, Ivar J.
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; APPLICANT:  Napier, Mary A.
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; APPLICANT:  Paoni, Nicholas F.
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; APPLICANT:  Shelton, David L.
; APPLICANT:  Stewart, Timothy A.
; APPLICANT:  Tumas, Daniel
; APPLICANT:  Williams, P. Mickey
; APPLICANT:  Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION:  Acids Encoding the Same
; FILE REFERENCE: P2630P1C4
; CURRENT APPLICATION NUMBER: US/09/978,191A
; CURRENT FILING DATE:  2001-10-15
; PRIOR APPLICATION NUMBER: 09/918585
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Query Match 1.0%; Score 12; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db          1 TGGGCCAAGGGC 12
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RESULT 575
US-09-978-403A-556
; Sequence 556, Application US/09978403A
; Publication No. US20030050240A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter

APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J
APPLICANT: Kljavin, Ivar J.
APPLICANT: Kuo, Sophia S.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James;
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2630P1C17
CURRENT APPLICATION NUMBER: US/09/978,403A
CURRENT FILING DATE: 2002-03-19
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
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Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 576
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; Sequence 556, Application US/09978564A
; Publication No. US20030050241A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker, Kevin P.
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; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630P1C25
; CURRENT APPLICATION NUMBER: US/09/978,564A
; CURRENT FILING DATE: 2001-10-16
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; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085697

Query Match 1.0%; Score 12; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db          1 TGGGCCAAGGGC 12
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RESULT 577
US-09-999-833A-556
; Sequence 556, Application US/09999833A
; Publication No. US20030054405A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630P1C65
; CURRENT APPLICATION NUMBER: US/09/999,833A
; CURRENT FILING DATE: 2001-10-24
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
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Query Match 1.0%; Score 12; DB 1; Length 15;
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Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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b 1 TGGGCCAAGGGC 12

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S-09-981-915A-556
Sequence 556, Application US/09981915A
Publication No. US20030054986A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi
APPLICANT: Baker Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan
APPLICANT: Ferrara, Napoleon
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J
APPLICANT: Kljavin, Ivar J.
APPLICANT: Kuo, Sophia S.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James;
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2630P1C12
CURRENT APPLICATION NUMBER: US/09/981,915A

; CURRENT FILING DATE: 2001-10-16
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Query Match 1.0%; Score 12; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 579
US-09-978-824-556
; Sequence 556, Application US/09978824
; Publication No. US20030055216A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Baton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630P1C14
; CURRENT APPLICATION NUMBER: US/09/978,824
; CURRENT FILING DATE: 2001-10-17
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
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Query Match 1.0%; Score 12; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 692 TGGGCCAAGGGC 703
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Db 1 TGGGCCAAGGGC 12

RESULT 580
US-09-918-585A-556
; Sequence 556, Application US/09918585A
; Publication No. US20030060406A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630P1C1
; CURRENT APPLICATION NUMBER: US/09/918,585A
; CURRENT FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250
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Query Match 1.0%; Score 12; DB 1; Length 15;
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Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 692 TGGGCCAAGGGC 703
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Db 1 TGGGCCAAGGGC 12

RESULT 581
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; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
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; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630P1C21
; CURRENT APPLICATION NUMBER: US/09/978,423A
; CURRENT FILING DATE: 2002-05-16
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 Query Match             1.0%;  Score 12;  DB 1;  Length 15;
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 Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        692 TGGGCCAAGGGC 703
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Db          1 TGGGCCAAGGGC 12


RESULT 582
S-09-978-193A-556
 Sequence 556, Application US/09978193A
 Publication No. US20030073624A1
 GENERAL INFORMATION:
  APPLICANT: Ashkenazi, Avi
  APPLICANT:  Baker Kevin P.
  APPLICANT:  Botstein, David
  APPLICANT:  Desnoyers, Luc
  APPLICANT:  Eaton, Dan
  APPLICANT:  Ferrara, Napoleon
  APPLICANT:  Filvaroff, Ellen
  APPLICANT:  Fong, Sherman
  APPLICANT:  Gao, Wei-Qiang
  APPLICANT:  Gerber, Hanspeter
  APPLICANT:  Gerritsen, Mary E.
  APPLICANT:  Goddard, Audrey
  APPLICANT:  Godowski, Paul J.
  APPLICANT:  Grimaldi, J. Christopher
  APPLICANT:  Gurney, Austin L.
  APPLICANT:  Hillan, Kenneth J
  APPLICANT:  Kljavin, Ivar J.
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  APPLICANT:  Napier, Mary A.
  APPLICANT:  Pan, James;
  APPLICANT:  Paoni, Nicholas F.
  APPLICANT:  Roy, Margaret Ann
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  APPLICANT:  Stewart, Timothy A.
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  APPLICANT:  Williams, P. Mickey
  APPLICANT:  Wood, William I.
  TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
  TITLE OF INVENTION:  Acids Encoding the Same
  FILE REFERENCE: P2630P1C6
  CURRENT APPLICATION NUMBER: US/09/978,193A
  CURRENT FILING DATE:  2002-02-21
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; APPLICANT: Desnoyers, Luc
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; APPLICANT: Kuo, Sophia S.
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; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630P1C70
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Query Match 1.0%; Score 12; DB 1; Length 15;
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PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085689
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085579
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085580
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085573
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085704
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085697

Query Match 1.0%; Score 12; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

y 692 TGGGCCAAGGGC 703
||||||||||||
b 1 TGGGCCAAGGGC 12

ESULT 585
S-09-978-187B-556
Sequence 556, Application US/09978187B
Publication No. US20030096744A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi
APPLICANT: Baker Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan
APPLICANT: Ferrara, Napoleon
APPLICANT: Filvaroff, Ellen

; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630P1C5
; CURRENT APPLICATION NUMBER: US/09/978,187B
; CURRENT FILING DATE: 2001-10-15
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250
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; PRIOR FILING DATE: 1998-05-15
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; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085573
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085704
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085697

Query Match 1.0%; Score 12; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy        692 TGGGCCAAGGGC 703
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Db          1 TGGGCCAAGGGC 12
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RESULT 586
US-09-978-643A-556
; Sequence 556, Application US/09978643A
; Publication No. US20030104998A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher

```
  APPLICANT:  Gurney, Austin L.
  APPLICANT:  Hillan, Kenneth J
  APPLICANT:  Kljavin, Ivar J.
  APPLICANT:  Kuo, Sophia S.
  APPLICANT:  Napier, Mary A.
  APPLICANT:  Pan, James;
  APPLICANT:  Paoni, Nicholas F.
  APPLICANT:  Roy, Margaret Ann
  APPLICANT:  Shelton, David L.
  APPLICANT:  Stewart, Timothy A.
  APPLICANT:  Tumas, Daniel
  APPLICANT:  Williams, P. Mickey
  APPLICANT:  Wood, William I.
  TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
  TITLE OF INVENTION:  Acids Encoding the Same
  FILE REFERENCE: P2630P1C16
  CURRENT APPLICATION NUMBER: US/09/978,643A
  CURRENT FILING DATE:  2001-10-16
  NUMBER OF SEQ ID NOS: 624
Prior Application removed - See File Wrapper or Palm
SEQ ID NO 556
  LENGTH: 15
  TYPE: DNA
  ORGANISM: Artificial Sequence
  FEATURE:
  OTHER INFORMATION: Synthetic oligonucleotide probe
JS-09-978-643A-556

 Query Match             1.0%;  Score 12;  DB 1;  Length 15;
 Best Local Similarity   100.0%;  Pred. No. 4.3e+02;
 Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        692 TGGGCCAAGGGC 703
              ||||||||||||
Db          1 TGGGCCAAGGGC 12


RESULT 587
JS-09-978-375A-556
; Sequence 556, Application US/09978375A
; Publication No. US20030130181A1
; GENERAL INFORMATION:
;  APPLICANT: Ashkenazi, Avi
;  APPLICANT:  Baker Kevin P.
;  APPLICANT:  Botstein, David
;  APPLICANT:  Desnoyers, Luc
;  APPLICANT:  Eaton, Dan
;  APPLICANT:  Ferrara, Napoleon
;  APPLICANT:  Filvaroff, Ellen
;  APPLICANT:  Fong, Sherman
;  APPLICANT:  Gao, Wei-Qiang
;  APPLICANT:  Gerber, Hanspeter
;  APPLICANT:  Gerritsen, Mary E.
;  APPLICANT:  Goddard, Audrey
;  APPLICANT:  Godowski, Paul J.
;  APPLICANT:  Grimaldi, J. Christopher
;  APPLICANT:  Gurney, Austin L.
;  APPLICANT:  Hillan, Kenneth J
;  APPLICANT:  Kljavin, Ivar J.
;  APPLICANT:  Kuo, Sophia S.
;  APPLICANT:  Napier, Mary A.
;  APPLICANT:  Pan, James;
;  APPLICANT:  Paoni, Nicholas F.
;  APPLICANT:  Roy, Margaret Ann
;  APPLICANT:  Shelton, David L.
;  APPLICANT:  Stewart, Timothy A.
;  APPLICANT:  Tumas, Daniel
;  APPLICANT:  Williams, P. Mickey
;  APPLICANT:  Wood, William I.
;  TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;  TITLE OF INVENTION:  Acids Encoding the Same
;  FILE REFERENCE: P2630P1C24
;  CURRENT APPLICATION NUMBER: US/09/978,375A
;  CURRENT FILING DATE:  2002-04-19
;  Prior Application removed - See File Wrapper or Palm
;  NUMBER OF SEQ ID NOS: 624
; SEQ ID NO 556
;    LENGTH: 15
;    TYPE: DNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: Synthetic oligonucleotide probe
US-09-978-375A-556

  Query Match             1.0%;  Score 12;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 4.3e+02;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        692 TGGGCCAAGGGC 703
              ||||||||||||
Db          1 TGGGCCAAGGGC 12


RESULT 588
US-09-978-188A-556
; Sequence 556, Application US/09978188A
; Publication No. US20030139328A1
; GENERAL INFORMATION:
;  APPLICANT: Ashkenazi, Avi
;  APPLICANT:  Baker Kevin P.
;  APPLICANT:  Botstein, David
;  APPLICANT:  Desnoyers, Luc
;  APPLICANT:  Eaton, Dan
;  APPLICANT:  Ferrara, Napoleon
;  APPLICANT:  Filvaroff, Ellen
;  APPLICANT:  Fong, Sherman
;  APPLICANT:  Gao, Wei-Qiang
;  APPLICANT:  Gerber, Hanspeter
;  APPLICANT:  Gerritsen, Mary E.
;  APPLICANT:  Goddard, Audrey
;  APPLICANT:  Godowski, Paul J.
;  APPLICANT:  Grimaldi, J. Christopher
;  APPLICANT:  Gurney, Austin L.
;  APPLICANT:  Hillan, Kenneth J
;  APPLICANT:  Kljavin, Ivar J.
;  APPLICANT:  Kuo, Sophia S.
;  APPLICANT:  Napier, Mary A.
;  APPLICANT:  Pan, James;
;  APPLICANT:  Paoni, Nicholas F.
;  APPLICANT:  Roy, Margaret Ann
;  APPLICANT:  Shelton, David L.
;  APPLICANT:  Stewart, Timothy A.
;  APPLICANT:  Tumas, Daniel
;  APPLICANT:  Williams, P. Mickey
;  APPLICANT:  Wood, William I.
;  TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;  TITLE OF INVENTION:  Acids Encoding the Same
;  FILE REFERENCE: P2630P1C8
;  CURRENT APPLICATION NUMBER: US/09/978,188A
;  CURRENT FILING DATE:  2001-10-15
;  PRIOR APPLICATION NUMBER: 09/918585
;  PRIOR FILING DATE: 2001-07-30
;  PRIOR APPLICATION NUMBER: 60/062250
;  PRIOR FILING DATE: 1997-10-17
;  PRIOR APPLICATION NUMBER: 60/064249
;  PRIOR FILING DATE: 1997-11-03
;  PRIOR APPLICATION NUMBER: 60/065311
;  PRIOR FILING DATE: 1997-11-13
;  PRIOR APPLICATION NUMBER: 60/066364
;  PRIOR FILING DATE: 1997-11-21
;  PRIOR APPLICATION NUMBER: 60/077450
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; PRIOR APPLICATION NUMBER: 60/084643
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; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085700
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085689
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085579
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085580
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085573
; PRIOR FILING DATE: 1998-05-15

PRIOR APPLICATION NUMBER: 60/085704
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085697

Query Match 1.0%; Score 12; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

y 692 TGGGCCAAGGGC 703
||||||||||||
b 1 TGGGCCAAGGGC 12

ESULT 589
S-09-978-298A-556
Sequence 556, Application US/09978298A
Publication No. US20030134785A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi
APPLICANT: Baker Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan
APPLICANT: Ferrara, Napoleon
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J
APPLICANT: Kljavin, Ivar J.
APPLICANT: Kuo, Sophia S.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James;
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2630P1C2
CURRENT APPLICATION NUMBER: US/09/978,298A
CURRENT FILING DATE: 2001-10-15
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
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PRIOR APPLICATION NUMBER: 60/065311
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PRIOR FILING DATE: 1997-11-21
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PRIOR FILING DATE: 1998-03-11
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PRIOR FILING DATE: 1998-03-12
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PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/078939
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PRIOR FILING DATE: 1998-03-31
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PRIOR FILING DATE: 1998-04-22

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; PRIOR APPLICATION NUMBER: 60/083392
; PRIOR FILING DATE: 1998-04-29
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; PRIOR APPLICATION NUMBER: 60/084366
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; PRIOR FILING DATE: 1998-05-06
; PRIOR APPLICATION NUMBER: 60/084441
; PRIOR FILING DATE: 1998-05-06
; PRIOR APPLICATION NUMBER: 60/084637
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084639
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; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084598
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084600
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084627
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084643
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/085339
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085338
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085323
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085582
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085700
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085689
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; PRIOR APPLICATION NUMBER: 60/085580
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085573
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; PRIOR APPLICATION NUMBER: 60/085704
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085697

Query Match 1.0%; Score 12; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 692 TGGGCCAAGGGC 703
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Db 1 TGGGCCAAGGGC 12

RESULT 590
US-10-143-031A-556
; Sequence 556, Application US/10143031A
; Publication No. US20030138439A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630P1C39
; CURRENT APPLICATION NUMBER: US/10/143,031A
; CURRENT FILING DATE: 2002-10-10
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/064249
; PRIOR FILING DATE: 1997-11-03
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066364
; PRIOR FILING DATE: 1997-11-21
; PRIOR APPLICATION NUMBER: 60/077450
; PRIOR FILING DATE: 1998-03-10
; PRIOR APPLICATION NUMBER: 60/077632
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077641
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077649
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077791
; PRIOR FILING DATE: 1998-03-12
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 624
; SEQ ID NO 556
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic oligonucleotide probe
US-10-143-031A-556

Query Match 1.0%; Score 12; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy        692 TGGGCCAAGGGC 703
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Db          1 TGGGCCAAGGGC 12
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RESULT 591
US-10-002-967A-556
Sequence 556, Application US/10002967A
Publication No. US20030148373A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi
APPLICANT: Baker Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan
APPLICANT: Ferrara, Napoleon
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J
APPLICANT: Kljavin, Ivar J.
APPLICANT: Kuo, Sophia S.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James;
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2630P1C72
CURRENT APPLICATION NUMBER: US/10/002,967A
CURRENT FILING DATE: 2001-10-24
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
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PRIOR FILING DATE: 1997-11-21
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PRIOR FILING DATE: 1998-03-10
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PRIOR FILING DATE: 1998-03-12
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PRIOR FILING DATE: 1998-03-20
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PRIOR FILING DATE: 1998-04-22
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PRIOR FILING DATE: 1998-04-23

; PRIOR APPLICATION NUMBER: 60/083336
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; PRIOR APPLICATION NUMBER: 60/083495
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; PRIOR FILING DATE: 1998-04-29
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; PRIOR FILING DATE: 1998-05-15
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; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085573
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085704
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085697

Query Match 1.0%; Score 12; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 692 TGGGCCAAGGGC 703
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Db 1 TGGGCCAAGGGC 12

RESULT 592
US-10-017-083A-556
; Sequence 556, Application US/10017083A
; Publication No. US20030148376A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630P1C67
; CURRENT APPLICATION NUMBER: US/10/017,083A
; CURRENT FILING DATE: 2001-10-24
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 624
; SEQ ID NO 556
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic oligonucleotide probe
US-10-017-083A-556

Query Match 1.0%; Score 12; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 692 TGGGCCAAGGGC 703
||||||||||||
Db 1 TGGGCCAAGGGC 12

RESULT 593
US-10-143-030A-556
; Sequence 556, Application US/10143030A
; Publication No. US20030147901A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter

APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J
APPLICANT: Kljavin, Ivar J.
APPLICANT: Kuo, Sophia S.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James;
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2630P1C33
CURRENT APPLICATION NUMBER: US/10/143,030A
CURRENT FILING DATE: 2002-08-27
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066364
PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: 60/077450
PRIOR FILING DATE: 1998-03-10
PRIOR APPLICATION NUMBER: 60/077632
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077641
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077649
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077791
PRIOR FILING DATE: 1998-03-12
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 624
SEQ ID NO 556
LENGTH: 15
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Synthetic oligonucleotide probe
S-10-143-030A-556

Query Match 1.0%; Score 12; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 692 TGGGCCAAGGGC 703
||||||||||||
Db 1 TGGGCCAAGGGC 12

RESULT 594
S-10-145-128A-556
Sequence 556, Application US/10145128A
Publication No. US20030157615A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi
APPLICANT: Baker Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan
APPLICANT: Ferrara, Napoleon
APPLICANT: Filvaroff, Ellen

; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630P1C46
; CURRENT APPLICATION NUMBER: US/10/145,128A
; CURRENT FILING DATE: 2002-10-01
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/064249
; PRIOR FILING DATE: 1997-11-03
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066364
; PRIOR FILING DATE: 1997-11-21
; PRIOR APPLICATION NUMBER: 60/077450
; PRIOR FILING DATE: 1998-03-10
; PRIOR APPLICATION NUMBER: 60/077632
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077641
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077649
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077791
; PRIOR FILING DATE: 1998-03-12
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 624
; SEQ ID NO 556
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic oligonucleotide probe
US-10-145-128A-556

Query Match 1.0%; Score 12; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 692 TGGGCCAAGGGC 703
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Db 1 TGGGCCAAGGGC 12

RESULT 595
US-10-017-191A-556
; Sequence 556, Application US/10017191A
; Publication No. US20030170254A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc

; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630P1C62
; CURRENT APPLICATION NUMBER: US/10/017,191A
; CURRENT FILING DATE: 2001-10-24
; PRIOR APPLICATION NUMBER: 09/918585
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PRIOR APPLICATION NUMBER: 60/084600
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PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085573
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085704
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085697

Query Match 1.0%; Score 12; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 692 TGGGCCAAGGGC 703
||||||||||||
Db 1 TGGGCCAAGGGC 12

RESULT 596
US-10-279-061-50
; Sequence 50, Application US/10279061
; Publication No. US20030170811A1
; GENERAL INFORMATION:
; APPLICANT: UEDA, IKUO
; APPLICANT: NIWA, MINEO
; APPLICANT: SAITO, YOSHIMASA
; APPLICANT: YAMADA, HISASHI
; APPLICANT: ISHII, YOSHINORI
; TITLE OF INVENTION: PROCESS FOR THE PRODUCTION OF ALPHA-HUMAN ATRIAL NATRIURETIC POLY
; FILE REFERENCE: 0018-1100-0CONT
; CURRENT APPLICATION NUMBER: US/10/279,061
; CURRENT FILING DATE: 2002-10-24
; PRIOR APPLICATION NUMBER: US/09/531,488B
; PRIOR FILING DATE: 2000-03-20
; PRIOR APPLICATION NUMBER: 08/638,941
; PRIOR FILING DATE: 1996-04-25
; PRIOR APPLICATION NUMBER: UK 8515686
; PRIOR FILING DATE: 1985-06-20
; PRIOR APPLICATION NUMBER: UK 8600754
; PRIOR FILING DATE: 1986-01-14
; PRIOR APPLICATION NUMBER: 08/370,356
; PRIOR FILING DATE: 1995-01-09
; PRIOR APPLICATION NUMBER: 08/073,043
; PRIOR FILING DATE: 1993-06-08
; PRIOR APPLICATION NUMBER: 07/385,952
; PRIOR FILING DATE: 1989-07-28
; PRIOR APPLICATION NUMBER: 06/875,880
; PRIOR FILING DATE: 1986-06-18
; NUMBER OF SEQ ID NOS: 88
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 50
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic DNA
US-10-279-061-50

Query Match 1.0%; Score 12; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 452 TCTACTTCAACA 463
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Db 2 TCTACTTCAACA 13

RESULT 597
US-10-143-028A-556
; Sequence 556, Application US/10143028A
; Publication No. US20030180310A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630P1C37
; CURRENT APPLICATION NUMBER: US/10/143,028A
; CURRENT FILING DATE: 2001-10-19
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250

; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/064249
; PRIOR FILING DATE: 1997-11-03
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066364
; PRIOR FILING DATE: 1997-11-21
; PRIOR APPLICATION NUMBER: 60/077450
; PRIOR FILING DATE: 1998-03-10
; PRIOR APPLICATION NUMBER: 60/077632
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077641
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077649
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077791
; PRIOR FILING DATE: 1998-03-12
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 624
; SEQ ID NO 556
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic oligonucleotide probe
US-10-143-028A-556

Query Match 1.0%; Score 12; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 692 TGGGCCAAGGGC 703
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Db 1 TGGGCCAAGGGC 12

RESULT 598
US-10-143-029A-556
; Sequence 556, Application US/10143029A
; Publication No. US20030180311A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630P1C54
; CURRENT APPLICATION NUMBER: US/10/143,029A
; CURRENT FILING DATE: 2001-10-19
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
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; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085704
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085697

Query Match 1.0%; Score 12; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 692 TGGGCCAAGGGC 703
||||||||||||
Db 1 TGGGCCAAGGGC 12

RESULT 599
US-10-145-089A-556
; Sequence 556, Application US/10145089A
; Publication No. US20030180867A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630P1C31
; CURRENT APPLICATION NUMBER: US/10/145,089A
; CURRENT FILING DATE: 2002-09-04
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/064249
; PRIOR FILING DATE: 1997-11-03
; PRIOR APPLICATION NUMBER: 60/065311

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;  PRIOR FILING DATE: 1997-11-13
;  PRIOR APPLICATION NUMBER: 60/066364
;  PRIOR FILING DATE: 1997-11-21
;  PRIOR APPLICATION NUMBER: 60/077450
;  PRIOR FILING DATE: 1998-03-10
;  PRIOR APPLICATION NUMBER: 60/077632
;  PRIOR FILING DATE: 1998-03-11
;  PRIOR APPLICATION NUMBER: 60/077641
;  PRIOR FILING DATE: 1998-03-11
;  PRIOR APPLICATION NUMBER: 60/077649
;  PRIOR FILING DATE: 1998-03-11
;  PRIOR APPLICATION NUMBER: 60/077791
;  PRIOR FILING DATE: 1998-03-12
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 624
; SEQ ID NO 556
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic oligonucleotide probe
US-10-145-089A-556

  Query Match             1.0%;  Score 12;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 4.3e+02;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        692 TGGGCCAAGGGC 703
              ||||||||||||
Db          1 TGGGCCAAGGGC 12


RESULT 600
US-10-013-926A-556
; Sequence 556, Application US/10013926A
; Publication No. US20030187241A1
; GENERAL INFORMATION:
;  APPLICANT: Ashkenazi, Avi
;  APPLICANT:  Baker Kevin P.
;  APPLICANT:  Botstein, David
;  APPLICANT:  Desnoyers, Luc
;  APPLICANT:  Baton, Dan
;  APPLICANT:  Ferrara, Napoleon
;  APPLICANT:  Filvaroff, Ellen
;  APPLICANT:  Fong, Sherman
;  APPLICANT:  Gao, Wei-Qiang
;  APPLICANT:  Gerber, Hanspeter
;  APPLICANT:  Gerritsen, Mary E.
;  APPLICANT:  Goddard, Audrey
;  APPLICANT:  Godowski, Paul J.
;  APPLICANT:  Grimaldi, J. Christopher
;  APPLICANT:  Gurney, Austin L.
;  APPLICANT:  Hillan, Kenneth J
;  APPLICANT:  Kljavin, Ivar J.
;  APPLICANT:  Kuo, Sophia S.
;  APPLICANT:  Napier, Mary A.
;  APPLICANT:  Pan, James;
;  APPLICANT:  Paoni, Nicholas F.
;  APPLICANT:  Roy, Margaret Ann
;  APPLICANT:  Shelton, David L.
;  APPLICANT:  Stewart, Timothy A.
;  APPLICANT:  Tumas, Daniel
;  APPLICANT:  Williams, P. Mickey
;  APPLICANT:  Wood, William I.
;  TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;  TITLE OF INVENTION:  Acids Encoding the Same
;  FILE REFERENCE: P2630P1C80
;  CURRENT APPLICATION NUMBER: US/10/013,926A
;  CURRENT FILING DATE:  2002-09-10
;  PRIOR APPLICATION NUMBER: 09/918585
;  PRIOR FILING DATE: 2001-07-30
;  PRIOR APPLICATION NUMBER: 60/062250
;  PRIOR FILING DATE: 1997-10-17
;  PRIOR APPLICATION NUMBER: 60/064249
;  PRIOR FILING DATE: 1997-11-03
;  PRIOR APPLICATION NUMBER: 60/065311
;  PRIOR FILING DATE: 1997-11-13
;  PRIOR APPLICATION NUMBER: 60/066364
;  PRIOR FILING DATE: 1997-11-21
;  PRIOR APPLICATION NUMBER: 60/077450
;  PRIOR FILING DATE: 1998-03-10
;  PRIOR APPLICATION NUMBER: 60/077632
;  PRIOR FILING DATE: 1998-03-11
;  PRIOR APPLICATION NUMBER: 60/077641
;  PRIOR FILING DATE: 1998-03-11
;  PRIOR APPLICATION NUMBER: 60/077649
;  PRIOR FILING DATE: 1998-03-11
;  PRIOR APPLICATION NUMBER: 60/077791
;  PRIOR FILING DATE: 1998-03-12
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 624
; SEQ ID NO 556
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic oligonucleotide probe
US-10-013-926A-556

  Query Match             1.0%;  Score 12;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 4.3e+02;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        692 TGGGCCAAGGGC 703
              ||||||||||||
Db          1 TGGGCCAAGGGC 12


RESULT 601
US-10-145-017A-556
; Sequence 556, Application US/10145017A
; Publication No. US20030186365A1
; GENERAL INFORMATION:
;  APPLICANT: Ashkenazi, Avi
;  APPLICANT:  Baker Kevin P.
;  APPLICANT:  Botstein, David
;  APPLICANT:  Desnoyers, Luc
;  APPLICANT:  Baton, Dan
;  APPLICANT:  Ferrara, Napoleon
;  APPLICANT:  Filvaroff, Ellen
;  APPLICANT:  Fong, Sherman
;  APPLICANT:  Gao, Wei-Qiang
;  APPLICANT:  Gerber, Hanspeter
;  APPLICANT:  Gerritsen, Mary E.
;  APPLICANT:  Goddard, Audrey
;  APPLICANT:  Godowski, Paul J.
;  APPLICANT:  Grimaldi, J. Christopher
;  APPLICANT:  Gurney, Austin L.
;  APPLICANT:  Hillan, Kenneth J
;  APPLICANT:  Kljavin, Ivar J.
;  APPLICANT:  Kuo, Sophia S.
;  APPLICANT:  Napier, Mary A.
;  APPLICANT:  Pan, James;
;  APPLICANT:  Paoni, Nicholas F.
;  APPLICANT:  Roy, Margaret Ann
;  APPLICANT:  Shelton, David L.
;  APPLICANT:  Stewart, Timothy A.
;  APPLICANT:  Tumas, Daniel
;  APPLICANT:  Williams, P. Mickey
;  APPLICANT:  Wood, William I.
;  TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;  TITLE OF INVENTION:  Acids Encoding the Same
;  FILE REFERENCE: P2630P1C32
;  CURRENT APPLICATION NUMBER: US/10/145,017A
;  CURRENT FILING DATE:  2001-10-19
;  PRIOR APPLICATION NUMBER: 09/918585
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;  PRIOR FILING DATE: 2001-07-30
;  PRIOR APPLICATION NUMBER: 60/062250
;  PRIOR FILING DATE: 1997-10-17
;  PRIOR APPLICATION NUMBER: 60/064249
;  PRIOR FILING DATE: 1997-11-03
;  PRIOR APPLICATION NUMBER: 60/065311
;  PRIOR FILING DATE: 1997-11-13
;  PRIOR APPLICATION NUMBER: 60/066364
;  PRIOR FILING DATE: 1997-11-21
;  PRIOR APPLICATION NUMBER: 60/077450
;  PRIOR FILING DATE: 1998-03-10
;  PRIOR APPLICATION NUMBER: 60/077632
;  PRIOR FILING DATE: 1998-03-11
;  PRIOR APPLICATION NUMBER: 60/077641
;  PRIOR FILING DATE: 1998-03-11
;  PRIOR APPLICATION NUMBER: 60/077649
;  PRIOR FILING DATE: 1998-03-11
;  PRIOR APPLICATION NUMBER: 60/077791
;  PRIOR FILING DATE: 1998-03-12
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 624
; SEQ ID NO 556
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic oligonucleotide probe
US-10-145-017A-556

  Query Match             1.0%;  Score 12;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 4.3e+02;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        692 TGGGCCAAGGGC 703
              ||||||||||||
Db          1 TGGGCCAAGGGC 12


RESULT 602
US-10-164-728A-556
; Sequence 556, Application US/10164728A
; Publication No. US20030186368A1
; GENERAL INFORMATION:
;  APPLICANT: Ashkenazi, Avi
;  APPLICANT:  Baker Kevin P.
;  APPLICANT:  Botstein, David
;  APPLICANT:  Desnoyers, Luc
;  APPLICANT:  Eaton, Dan
;  APPLICANT:  Ferrara, Napoleon
;  APPLICANT:  Filvaroff, Ellen
;  APPLICANT:  Fong, Sherman
;  APPLICANT:  Gao, Wei-Qiang
;  APPLICANT:  Gerber, Hanspeter
;  APPLICANT:  Gerritsen, Mary E.
;  APPLICANT:  Goddard, Audrey
;  APPLICANT:  Godowski, Paul J.
;  APPLICANT:  Grimaldi, J. Christopher
;  APPLICANT:  Gurney, Austin L.
;  APPLICANT:  Hillan, Kenneth J
;  APPLICANT:  Kljavin, Ivar J.
;  APPLICANT:  Kuo, Sophia S.
;  APPLICANT:  Napier, Mary A.
;  APPLICANT:  Pan, James;
;  APPLICANT:  Paoni, Nicholas F.
;  APPLICANT:  Roy, Margaret Ann
;  APPLICANT:  Shelton, David L.
;  APPLICANT:  Stewart, Timothy A.
;  APPLICANT:  Tumas, Daniel
;  APPLICANT:  Williams, P. Mickey
;  APPLICANT:  Wood, William I.
;  TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;  TITLE OF INVENTION:  Acids Encoding the Same
;  FILE REFERENCE: P2630P1C43
;  CURRENT APPLICATION NUMBER: US/10/164,728A
;  CURRENT FILING DATE:  2001-10-19
;  PRIOR APPLICATION NUMBER: 09/918585
;  PRIOR FILING DATE: 2001-07-30
;  PRIOR APPLICATION NUMBER: 60/062250
;  PRIOR FILING DATE: 1997-10-17
;  PRIOR APPLICATION NUMBER: 60/064249
;  PRIOR FILING DATE: 1997-11-03
;  PRIOR APPLICATION NUMBER: 60/065311
;  PRIOR FILING DATE: 1997-11-13
;  PRIOR APPLICATION NUMBER: 60/066364
;  PRIOR FILING DATE: 1997-11-21
;  PRIOR APPLICATION NUMBER: 60/077450
;  PRIOR FILING DATE: 1998-03-10
;  PRIOR APPLICATION NUMBER: 60/077632
;  PRIOR FILING DATE: 1998-03-11
;  PRIOR APPLICATION NUMBER: 60/077641
;  PRIOR FILING DATE: 1998-03-11
;  PRIOR APPLICATION NUMBER: 60/077649
;  PRIOR FILING DATE: 1998-03-11
;  PRIOR APPLICATION NUMBER: 60/077791
;  PRIOR FILING DATE: 1998-03-12
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 624
; SEQ ID NO 556
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic oligonucleotide probe
US-10-164-728A-556

  Query Match             1.0%;  Score 12;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 4.3e+02;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        692 TGGGCCAAGGGC 703
              ||||||||||||
Db          1 TGGGCCAAGGGC 12


RESULT 603
US-10-165-067A-556
; Sequence 556, Application US/10165067A
; Publication No. US20030185841A1
; GENERAL INFORMATION:
;  APPLICANT: Ashkenazi, Avi
;  APPLICANT:  Baker Kevin P.
;  APPLICANT:  Botstein, David
;  APPLICANT:  Desnoyers, Luc
;  APPLICANT:  Eaton, Dan
;  APPLICANT:  Ferrara, Napoleon
;  APPLICANT:  Filvaroff, Ellen
;  APPLICANT:  Fong, Sherman
;  APPLICANT:  Gao, Wei-Qiang
;  APPLICANT:  Gerber, Hanspeter
;  APPLICANT:  Gerritsen, Mary E.
;  APPLICANT:  Goddard, Audrey
;  APPLICANT:  Godowski, Paul J.
;  APPLICANT:  Grimaldi, J. Christopher
;  APPLICANT:  Gurney, Austin L.
;  APPLICANT:  Hillan, Kenneth J
;  APPLICANT:  Kljavin, Ivar J.
;  APPLICANT:  Kuo, Sophia S.
;  APPLICANT:  Napier, Mary A.
;  APPLICANT:  Pan, James;
;  APPLICANT:  Paoni, Nicholas F.
;  APPLICANT:  Roy, Margaret Ann
;  APPLICANT:  Shelton, David L.
;  APPLICANT:  Stewart, Timothy A.
;  APPLICANT:  Tumas, Daniel
;  APPLICANT:  Williams, P. Mickey
;  APPLICANT:  Wood, William I.
```

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;  TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;  TITLE OF INVENTION:  Acids Encoding the Same
;  FILE REFERENCE: P2630P1C42
;  CURRENT APPLICATION NUMBER: US/10/165,067A
;  CURRENT FILING DATE:  2001-10-19
;  PRIOR APPLICATION NUMBER: 09/918585
;  PRIOR FILING DATE: 2001-07-30
;  PRIOR APPLICATION NUMBER: 60/062250
;  PRIOR FILING DATE: 1997-10-17
;  PRIOR APPLICATION NUMBER: 60/064249
;  PRIOR FILING DATE: 1997-11-03
;  PRIOR APPLICATION NUMBER: 60/065311
;  PRIOR FILING DATE: 1997-11-13
;  PRIOR APPLICATION NUMBER: 60/066364
;  PRIOR FILING DATE: 1997-11-21
;  PRIOR APPLICATION NUMBER: 60/077450
;  PRIOR FILING DATE: 1998-03-10
;  PRIOR APPLICATION NUMBER: 60/077632
;  PRIOR FILING DATE: 1998-03-11
;  PRIOR APPLICATION NUMBER: 60/077641
;  PRIOR FILING DATE: 1998-03-11
;  PRIOR APPLICATION NUMBER: 60/077649
;  PRIOR FILING DATE: 1998-03-11
;  PRIOR APPLICATION NUMBER: 60/077791
;  PRIOR FILING DATE: 1998-03-12
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 624
; SEQ ID NO 556
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic oligonucleotide probe
US-10-165-067A-556

  Query Match             1.0%;  Score 12;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 4.3e+02;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        692 TGGGCCAAGGGC 703
              ||||||||||||
Db          1 TGGGCCAAGGGC 12


RESULT 604
US-10-091-281-89
; Sequence 89, Application US/10091281
; Publication No. US20030190617A1
; GENERAL INFORMATION:
;  APPLICANT: RAYMOND, VINCENT
;  APPLICANT:  SI, ERWIN
;  APPLICANT:  MORISETTE, JEAN
;  TITLE OF INVENTION: OPTINEURIN NUCLEIC ACID MOLECULES AND USES THEREOF
;  FILE REFERENCE: 13587.338
;  CURRENT APPLICATION NUMBER: US/10/091,281
;  CURRENT FILING DATE:  2002-03-06
;  NUMBER OF SEQ ID NOS: 463
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 89
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   OTHER INFORMATION: Putative RPOA/APOLYA.01 motif
US-10-091-281-89

  Query Match             1.0%;  Score 12;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 4.3e+02;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        522 TAAATTTGAATT 533
              ||||||||||||
Db          3 TAAATTTGAATT 14


RESULT 605
US-10-145-124A-556
; Sequence 556, Application US/10145124A
; Publication No. US20030190701A1
; GENERAL INFORMATION:
;  APPLICANT: Ashkenazi, Avi
;  APPLICANT:  Baker Kevin P.
;  APPLICANT:  Botstein, David
;  APPLICANT:  Desnoyers, Luc
;  APPLICANT:  Eaton, Dan
;  APPLICANT:  Ferrara, Napoleon
;  APPLICANT:  Filvaroff, Ellen
;  APPLICANT:  Fong, Sherman
;  APPLICANT:  Gao, Wei-Qiang
;  APPLICANT:  Gerber, Hanspeter
;  APPLICANT:  Gerritsen, Mary E.
;  APPLICANT:  Goddard, Audrey
;  APPLICANT:  Godowski, Paul J.
;  APPLICANT:  Grimaldi, J. Christopher
;  APPLICANT:  Gurney, Austin L.
;  APPLICANT:  Hillan, Kenneth J
;  APPLICANT:  Kljavin, Ivar J.
;  APPLICANT:  Kuo, Sophia S.
;  APPLICANT:  Napier, Mary A.
;  APPLICANT:  Pan, James;
;  APPLICANT:  Paoni, Nicholas F.
;  APPLICANT:  Roy, Margaret Ann
;  APPLICANT:  Shelton, David L.
;  APPLICANT:  Stewart, Timothy A.
;  APPLICANT:  Tumas, Daniel
;  APPLICANT:  Williams, P. Mickey
;  APPLICANT:  Wood, William I.
;  TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;  TITLE OF INVENTION:  Acids Encoding the Same
;  FILE REFERENCE: P2630P1C44
;  CURRENT APPLICATION NUMBER: US/10/145,124A
;  CURRENT FILING DATE:  2002-08-30
;  PRIOR APPLICATION NUMBER: 09/918585
;  PRIOR FILING DATE: 2001-07-30
;  PRIOR APPLICATION NUMBER: 60/062250
;  PRIOR FILING DATE: 1997-10-17
;  PRIOR APPLICATION NUMBER: 60/064249
;  PRIOR FILING DATE: 1997-11-03
;  PRIOR APPLICATION NUMBER: 60/065311
;  PRIOR FILING DATE: 1997-11-13
;  PRIOR APPLICATION NUMBER: 60/066364
;  PRIOR FILING DATE: 1997-11-21
;  PRIOR APPLICATION NUMBER: 60/077450
;  PRIOR FILING DATE: 1998-03-10
;  PRIOR APPLICATION NUMBER: 60/077632
;  PRIOR FILING DATE: 1998-03-11
;  PRIOR APPLICATION NUMBER: 60/077641
;  PRIOR FILING DATE: 1998-03-11
;  PRIOR APPLICATION NUMBER: 60/077649
;  PRIOR FILING DATE: 1998-03-11
;  PRIOR APPLICATION NUMBER: 60/077791
;  PRIOR FILING DATE: 1998-03-12
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 624
; SEQ ID NO 556
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic oligonucleotide probe
US-10-145-124A-556

  Query Match             1.0%;  Score 12;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 4.3e+02;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;
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Qy        692 TGGGCCAAGGGC 703
              ||||||||||||
Db          1 TGGGCCAAGGGC 12


RESULT 606
US-10-160-502A-556
 Sequence 556, Application US/10160502A
 Publication No. US20030190703A1
 GENERAL INFORMATION:
  APPLICANT: Ashkenazi, Avi
  APPLICANT:  Baker Kevin P.
  APPLICANT:  Botstein, David
  APPLICANT:  Desnoyers, Luc
  APPLICANT:  Eaton, Dan
  APPLICANT:  Ferrara, Napoleon
  APPLICANT:  Filvaroff, Ellen
  APPLICANT:  Fong, Sherman
  APPLICANT:  Gao, Wei-Qiang
  APPLICANT:  Gerber, Hanspeter
  APPLICANT:  Gerritsen, Mary E.
  APPLICANT:  Goddard, Audrey
  APPLICANT:  Godowski, Paul J.
  APPLICANT:  Grimaldi, J. Christopher
  APPLICANT:  Gurney, Austin L.
  APPLICANT:  Hillan, Kenneth J
  APPLICANT:  Kljavin, Ivar J.
  APPLICANT:  Kuo, Sophia S.
  APPLICANT:  Napier, Mary A.
  APPLICANT:  Pan, James;
  APPLICANT:  Paoni, Nicholas F.
  APPLICANT:  Roy, Margaret Ann
  APPLICANT:  Shelton, David L.
  APPLICANT:  Stewart, Timothy A.
  APPLICANT:  Tumas, Daniel
  APPLICANT:  Williams, P. Mickey
  APPLICANT:  Wood, William I.
  TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
  TITLE OF INVENTION:  Acids Encoding the Same
  FILE REFERENCE: P2630P1C57
  CURRENT APPLICATION NUMBER: US/10/160,502A
  CURRENT FILING DATE:  2001-10-19
  PRIOR APPLICATION NUMBER: 09/918585
  PRIOR FILING DATE: 2001-07-30
  PRIOR APPLICATION NUMBER: 60/062250
  PRIOR FILING DATE: 1997-10-17
  PRIOR APPLICATION NUMBER: 60/064249
  PRIOR FILING DATE: 1997-11-03
  PRIOR APPLICATION NUMBER: 60/065311
  PRIOR FILING DATE: 1997-11-13
  PRIOR APPLICATION NUMBER: 60/066364
  PRIOR FILING DATE: 1997-11-21
  PRIOR APPLICATION NUMBER: 60/077450
  PRIOR FILING DATE: 1998-03-10
  PRIOR APPLICATION NUMBER: 60/077632
  PRIOR FILING DATE: 1998-03-11
  PRIOR APPLICATION NUMBER: 60/077641
  PRIOR FILING DATE: 1998-03-11
  PRIOR APPLICATION NUMBER: 60/077649
  PRIOR FILING DATE: 1998-03-11
  PRIOR APPLICATION NUMBER: 60/077791
  PRIOR FILING DATE: 1998-03-12
  Remaining Prior Application data removed - See File Wrapper or PALM.
  NUMBER OF SEQ ID NOS: 624
 SEQ ID NO 556
   LENGTH: 15
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Synthetic oligonucleotide probe
S-10-160-502A-556

 Query Match             1.0%;  Score 12;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 4.3e+02;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        692 TGGGCCAAGGGC 703
              ||||||||||||
Db          1 TGGGCCAAGGGC 12


RESULT 607
US-10-165-247A-556
; Sequence 556, Application US/10165247A
; Publication No. US20030190321A1
; GENERAL INFORMATION:
;  APPLICANT: Ashkenazi, Avi
;  APPLICANT:  Baker Kevin P.
;  APPLICANT:  Botstein, David
;  APPLICANT:  Desnoyers, Luc
;  APPLICANT:  Baton, Dan
;  APPLICANT:  Ferrara, Napoleon
;  APPLICANT:  Filvaroff, Ellen
;  APPLICANT:  Fong, Sherman
;  APPLICANT:  Gao, Wei-Qiang
;  APPLICANT:  Gerber, Hanspeter
;  APPLICANT:  Gerritsen, Mary E.
;  APPLICANT:  Goddard, Audrey
;  APPLICANT:  Godowski, Paul J.
;  APPLICANT:  Grimaldi, J. Christopher
;  APPLICANT:  Gurney, Austin L.
;  APPLICANT:  Hillan, Kenneth J
;  APPLICANT:  Kljavin, Ivar J.
;  APPLICANT:  Kuo, Sophia S.
;  APPLICANT:  Napier, Mary A.
;  APPLICANT:  Pan, James;
;  APPLICANT:  Paoni, Nicholas F.
;  APPLICANT:  Roy, Margaret Ann
;  APPLICANT:  Shelton, David L.
;  APPLICANT:  Stewart, Timothy A.
;  APPLICANT:  Tumas, Daniel
;  APPLICANT:  Williams, P. Mickey
;  APPLICANT:  Wood, William I.
;  TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;  TITLE OF INVENTION:  Acids Encoding the Same
;  FILE REFERENCE: P2630P1C41
;  CURRENT APPLICATION NUMBER: US/10/165,247A
;  CURRENT FILING DATE:  2001-10-19
;  PRIOR APPLICATION NUMBER: 09/918585
;  PRIOR FILING DATE: 2001-07-30
;  PRIOR APPLICATION NUMBER: 60/062250
;  PRIOR FILING DATE: 1997-10-17
;  PRIOR APPLICATION NUMBER: 60/064249
;  PRIOR FILING DATE: 1997-11-03
;  PRIOR APPLICATION NUMBER: 60/065311
;  PRIOR FILING DATE: 1997-11-13
;  PRIOR APPLICATION NUMBER: 60/066364
;  PRIOR FILING DATE: 1997-11-21
;  PRIOR APPLICATION NUMBER: 60/077450
;  PRIOR FILING DATE: 1998-03-10
;  PRIOR APPLICATION NUMBER: 60/077632
;  PRIOR FILING DATE: 1998-03-11
;  PRIOR APPLICATION NUMBER: 60/077641
;  PRIOR FILING DATE: 1998-03-11
;  PRIOR APPLICATION NUMBER: 60/077649
;  PRIOR FILING DATE: 1998-03-11
;  PRIOR APPLICATION NUMBER: 60/077791
;  PRIOR FILING DATE: 1998-03-12
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 624
; SEQ ID NO 556
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic oligonucleotide probe
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US-10-165-247A-556

Query Match 1.0%; Score 12; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy        692 TGGGCCAAGGGC 703
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Db          1 TGGGCCAAGGGC 12
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RESULT 608
US-09-978-194A-556
; Sequence 556, Application US/09978194A
; Publication No. US20030195333A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630P1C10
; CURRENT APPLICATION NUMBER: US/09/978,194A
; CURRENT FILING DATE: 2001-10-15
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/064249
; PRIOR FILING DATE: 1997-11-03
; PRIOR APPLICATION NUMBER: 60/065311
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; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/082797
; PRIOR FILING DATE: 1998-04-22

PRIOR APPLICATION NUMBER: 60/082796
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PRIOR FILING DATE: 1998-04-27
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PRIOR FILING DATE: 1998-04-28
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PRIOR FILING DATE: 1998-05-06
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PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084600
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084627
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PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/085339
PRIOR FILING DATE: 1998-05-13
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PRIOR FILING DATE: 1998-05-15
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PRIOR APPLICATION NUMBER: 60/085579
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085580
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085573
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085704
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085697

Query Match 1.0%; Score 12; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 692 TGGGCCAAGGGC 703

Db 1 TGGGCCAAGGGC 12

RESULT 609
US-09-978-681A-556
; Sequence 556, Application US/09978681A
; Publication No. US20030195148A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630P1C18
; CURRENT APPLICATION NUMBER: US/09/978,681A
; CURRENT FILING DATE: 2002-03-19
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250
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; PRIOR FILING DATE: 1998-04-27
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; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085697

Query Match 1.0%; Score 12; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy        692 TGGGCCAAGGGC 703
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Db          1 TGGGCCAAGGGC 12
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RESULT 610
US-09-999-829A-556
; Sequence 556, Application US/09999829A

Publication No. US20030195344A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi
APPLICANT: Baker Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan
APPLICANT: Ferrara, Napoleon
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J
APPLICANT: Kljavin, Ivar J.
APPLICANT: Kuo, Sophia S.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James;
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2630P1C61
CURRENT APPLICATION NUMBER: US/09/999,829A
CURRENT FILING DATE: 2002-03-19
NUMBER OF SEQ ID NOS: 624
Prior Application removed - See File Wrapper or Palm
SEQ ID NO 556
LENGTH: 15
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Synthetic oligonucleotide probe
S-09-999-829A-556

Query Match 1.0%; Score 12; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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ESULT 611
S-10-013-922A-556
Sequence 556, Application US/10013922A
Publication No. US20030195345A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi
APPLICANT: Baker Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan
APPLICANT: Ferrara, Napoleon
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.

; APPLICANT: Hillan, Kenneth J
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630P1C81
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; CURRENT FILING DATE: 2001-10-25
; PRIOR APPLICATION NUMBER: 09/918585
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; PRIOR FILING DATE: 1997-10-17
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; PRIOR FILING DATE: 1998-03-30
; PRIOR APPLICATION NUMBER: 60/080105
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: 60/080107
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: 60/080165
; PRIOR FILING DATE: 1998-03-31
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; PRIOR FILING DATE: 1998-03-31

; PRIOR APPLICATION NUMBER: 60/080327
; PRIOR FILING DATE: 1998-04-01
; PRIOR APPLICATION NUMBER: 60/080328
; PRIOR FILING DATE: 1998-04-01
; PRIOR APPLICATION NUMBER: 60/080333
; PRIOR FILING DATE: 1998-04-01
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; PRIOR FILING DATE: 1998-04-15
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; PRIOR APPLICATION NUMBER: 60/085323
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; PRIOR APPLICATION NUMBER: 60/085582
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085700
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085689
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085579
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085580
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085573
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085704
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085697

Query Match 1.0%; Score 12; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy        692 TGGGCCAAGGGC 703
              ||||||||||||
Db          1 TGGGCCAAGGGC 12
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RESULT 612
US-10-017-086A-556
; Sequence 556, Application US/10017086A
; Publication No. US20030194744A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann

```
  APPLICANT:  Shelton, David L.
  APPLICANT:  Stewart, Timothy A.
  APPLICANT:  Tumas, Daniel
  APPLICANT:  Williams, P. Mickey
  APPLICANT:  Wood, William I.
  TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
  TITLE OF INVENTION:  Acids Encoding the Same
  FILE REFERENCE: P2630P1C64
  CURRENT APPLICATION NUMBER: US/10/017,086A
  CURRENT FILING DATE:  2002-04-30
  Prior Application removed - See File Wrapper or Palm
  NUMBER OF SEQ ID NOS: 624
 SEQ ID NO 556
   LENGTH: 15
   TYPE: DNA
   ORGANISM: Artificial Sequence
   FEATURE:
   OTHER INFORMATION: Synthetic oligonucleotide probe
S-10-017-086A-556

 Query Match             1.0%;  Score 12;  DB 1;  Length 15;
 Best Local Similarity   100.0%;  Pred. No. 4.3e+02;
 Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

y        692 TGGGCCAAGGGC 703
             ||||||||||||
b          1 TGGGCCAAGGGC 12


ESULT 613
S-10-145-087A-556
 Sequence 556, Application US/10145087A
 Publication No. US20030194410A1
 GENERAL INFORMATION:
  APPLICANT: Ashkenazi, Avi
  APPLICANT:  Baker Kevin P.
  APPLICANT:  Botstein, David
  APPLICANT:  Desnoyers, Luc
  APPLICANT:  Eaton, Dan
  APPLICANT:  Ferrara, Napoleon
  APPLICANT:  Filvaroff, Ellen
  APPLICANT:  Fong, Sherman
  APPLICANT:  Gao, Wei-Qiang
  APPLICANT:  Gerber, Hanspeter
  APPLICANT:  Gerritsen, Mary E.
  APPLICANT:  Goddard, Audrey
  APPLICANT:  Godowski, Paul J.
  APPLICANT:  Grimaldi, J. Christopher
  APPLICANT:  Gurney, Austin L.
  APPLICANT:  Hillan, Kenneth J
  APPLICANT:  Kljavin, Ivar J.
  APPLICANT:  Kuo, Sophia S.
  APPLICANT:  Napier, Mary A.
  APPLICANT:  Pan, James;
  APPLICANT:  Paoni, Nicholas F.
  APPLICANT:  Roy, Margaret Ann
  APPLICANT:  Shelton, David L.
  APPLICANT:  Stewart, Timothy A.
  APPLICANT:  Tumas, Daniel
  APPLICANT:  Williams, P. Mickey
  APPLICANT:  Wood, William I.
  TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
  TITLE OF INVENTION:  Acids Encoding the Same
  FILE REFERENCE: P2630P1C47
  CURRENT APPLICATION NUMBER: US/10/145,087A
  CURRENT FILING DATE:  2001-10-18
  PRIOR APPLICATION NUMBER: 09/918585
  PRIOR FILING DATE: 2001-07-30
  PRIOR APPLICATION NUMBER: 60/062250
  PRIOR FILING DATE: 1997-10-17
  PRIOR APPLICATION NUMBER: 60/064249
  PRIOR FILING DATE: 1997-11-03
  PRIOR APPLICATION NUMBER: 60/065311
;  PRIOR FILING DATE: 1997-11-13
;  PRIOR APPLICATION NUMBER: 60/066364
;  PRIOR FILING DATE: 1997-11-21
;  PRIOR APPLICATION NUMBER: 60/077450
;  PRIOR FILING DATE: 1998-03-10
;  PRIOR APPLICATION NUMBER: 60/077632
;  PRIOR FILING DATE: 1998-03-11
;  PRIOR APPLICATION NUMBER: 60/077641
;  PRIOR FILING DATE: 1998-03-11
;  PRIOR APPLICATION NUMBER: 60/077649
;  PRIOR FILING DATE: 1998-03-11
;  PRIOR APPLICATION NUMBER: 60/077791
;  PRIOR FILING DATE: 1998-03-12
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 624
; SEQ ID NO 556
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic oligonucleotide probe
US-10-145-087A-556

  Query Match             1.0%;  Score 12;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 4.3e+02;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        692 TGGGCCAAGGGC 703
              ||||||||||||
Db          1 TGGGCCAAGGGC 12


RESULT 614
US-10-164-829A-556
; Sequence 556, Application US/10164829A
; Publication No. US20030194780A1
; GENERAL INFORMATION:
;  APPLICANT: Ashkenazi, Avi
;  APPLICANT:  Baker Kevin P.
;  APPLICANT:  Botstein, David
;  APPLICANT:  Desnoyers, Luc
;  APPLICANT:  Eaton, Dan
;  APPLICANT:  Ferrara, Napoleon
;  APPLICANT:  Filvaroff, Ellen
;  APPLICANT:  Fong, Sherman
;  APPLICANT:  Gao, Wei-Qiang
;  APPLICANT:  Gerber, Hanspeter
;  APPLICANT:  Gerritsen, Mary E.
;  APPLICANT:  Goddard, Audrey
;  APPLICANT:  Godowski, Paul J.
;  APPLICANT:  Grimaldi, J. Christopher
;  APPLICANT:  Gurney, Austin L.
;  APPLICANT:  Hillan, Kenneth J
;  APPLICANT:  Kljavin, Ivar J.
;  APPLICANT:  Kuo, Sophia S.
;  APPLICANT:  Napier, Mary A.
;  APPLICANT:  Pan, James;
;  APPLICANT:  Paoni, Nicholas F.
;  APPLICANT:  Roy, Margaret Ann
;  APPLICANT:  Shelton, David L.
;  APPLICANT:  Stewart, Timothy A.
;  APPLICANT:  Tumas, Daniel
;  APPLICANT:  Williams, P. Mickey
;  APPLICANT:  Wood, William I.
;  TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;  TITLE OF INVENTION:  Acids Encoding the Same
;  FILE REFERENCE: P2630P1C28
;  CURRENT APPLICATION NUMBER: US/10/164,829A
;  CURRENT FILING DATE:  2001-10-19
;  PRIOR APPLICATION NUMBER: 09/918585
;  PRIOR FILING DATE: 2001-07-30
;  PRIOR APPLICATION NUMBER: 60/062250
;  PRIOR FILING DATE: 1997-10-17
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;  PRIOR APPLICATION NUMBER: 60/064249
;  PRIOR FILING DATE: 1997-11-03
;  PRIOR APPLICATION NUMBER: 60/065311
;  PRIOR FILING DATE: 1997-11-13
;  PRIOR APPLICATION NUMBER: 60/066364
;  PRIOR FILING DATE: 1997-11-21
;  PRIOR APPLICATION NUMBER: 60/077450
;  PRIOR FILING DATE: 1998-03-10
;  PRIOR APPLICATION NUMBER: 60/077632
;  PRIOR FILING DATE: 1998-03-11
;  PRIOR APPLICATION NUMBER: 60/077641
;  PRIOR FILING DATE: 1998-03-11
;  PRIOR APPLICATION NUMBER: 60/077649
;  PRIOR FILING DATE: 1998-03-11
;  PRIOR APPLICATION NUMBER: 60/077791
;  PRIOR FILING DATE: 1998-03-12
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 624
; SEQ ID NO 556
;    LENGTH: 15
;    TYPE: DNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: Synthetic oligonucleotide probe
JS-10-164-829A-556

  Query Match             1.0%;  Score 12;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 4.3e+02;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        692 TGGGCCAAGGGC 703
              ||||||||||||
Db          1 TGGGCCAAGGGC 12


RESULT 615
JS-10-164-929A-556
; Sequence 556, Application US/10164929A
; Publication No. US20030194781A1
; GENERAL INFORMATION:
;  APPLICANT: Ashkenazi, Avi
;  APPLICANT:  Baker Kevin P.
;  APPLICANT:  Botstein, David
;  APPLICANT:  Desnoyers, Luc
;  APPLICANT:  Eaton, Dan
;  APPLICANT:  Ferrara, Napoleon
;  APPLICANT:  Filvaroff, Ellen
;  APPLICANT:  Fong, Sherman
;  APPLICANT:  Gao, Wei-Qiang
;  APPLICANT:  Gerber, Hanspeter
;  APPLICANT:  Gerritsen, Mary E.
;  APPLICANT:  Goddard, Audrey
;  APPLICANT:  Godowski, Paul J.
;  APPLICANT:  Grimaldi, J. Christopher
;  APPLICANT:  Gurney, Austin L.
;  APPLICANT:  Hillan, Kenneth J
;  APPLICANT:  Kljavin, Ivar J.
;  APPLICANT:  Kuo, Sophia S.
;  APPLICANT:  Napier, Mary A.
;  APPLICANT:  Pan, James;
;  APPLICANT:  Paoni, Nicholas F.
;  APPLICANT:  Roy, Margaret Ann
;  APPLICANT:  Shelton, David L.
;  APPLICANT:  Stewart, Timothy A.
;  APPLICANT:  Tumas, Daniel
;  APPLICANT:  Williams, P. Mickey
;  APPLICANT:  Wood, William I.
;  TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;  TITLE OF INVENTION:  Acids Encoding the Same
;  FILE REFERENCE: P2630P1C36
;  CURRENT APPLICATION NUMBER: US/10/164,929A
;  CURRENT FILING DATE:  2001-10-19
;  PRIOR APPLICATION NUMBER: 09/918585
;  PRIOR FILING DATE: 2001-07-30
;  PRIOR APPLICATION NUMBER: 60/062250
;  PRIOR FILING DATE: 1997-10-17
;  PRIOR APPLICATION NUMBER: 60/064249
;  PRIOR FILING DATE: 1997-11-03
;  PRIOR APPLICATION NUMBER: 60/065311
;  PRIOR FILING DATE: 1997-11-13
;  PRIOR APPLICATION NUMBER: 60/066364
;  PRIOR FILING DATE: 1997-11-21
;  PRIOR APPLICATION NUMBER: 60/077450
;  PRIOR FILING DATE: 1998-03-10
;  PRIOR APPLICATION NUMBER: 60/077632
;  PRIOR FILING DATE: 1998-03-11
;  PRIOR APPLICATION NUMBER: 60/077641
;  PRIOR FILING DATE: 1998-03-11
;  PRIOR APPLICATION NUMBER: 60/077649
;  PRIOR FILING DATE: 1998-03-11
;  PRIOR APPLICATION NUMBER: 60/077791
;  PRIOR FILING DATE: 1998-03-12
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 624
; SEQ ID NO 556
;    LENGTH: 15
;    TYPE: DNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: Synthetic oligonucleotide probe
US-10-164-929A-556

  Query Match             1.0%;  Score 12;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 4.3e+02;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        692 TGGGCCAAGGGC 703
              ||||||||||||
Db          1 TGGGCCAAGGGC 12


RESULT 616
US-09-978-299A-556
; Sequence 556, Application US/09978299A
; Publication No. US20030199435A1
; GENERAL INFORMATION:
;  APPLICANT: Ashkenazi, Avi
;  APPLICANT:  Baker Kevin P.
;  APPLICANT:  Botstein, David
;  APPLICANT:  Desnoyers, Luc
;  APPLICANT:  Eaton, Dan
;  APPLICANT:  Ferrara, Napoleon
;  APPLICANT:  Filvaroff, Ellen
;  APPLICANT:  Fong, Sherman
;  APPLICANT:  Gao, Wei-Qiang
;  APPLICANT:  Gerber, Hanspeter
;  APPLICANT:  Gerritsen, Mary E.
;  APPLICANT:  Goddard, Audrey
;  APPLICANT:  Godowski, Paul J.
;  APPLICANT:  Grimaldi, J. Christopher
;  APPLICANT:  Gurney, Austin L.
;  APPLICANT:  Hillan, Kenneth J
;  APPLICANT:  Kljavin, Ivar J.
;  APPLICANT:  Kuo, Sophia S.
;  APPLICANT:  Napier, Mary A.
;  APPLICANT:  Pan, James;
;  APPLICANT:  Paoni, Nicholas F.
;  APPLICANT:  Roy, Margaret Ann
;  APPLICANT:  Shelton, David L.
;  APPLICANT:  Stewart, Timothy A.
;  APPLICANT:  Tumas, Daniel
;  APPLICANT:  Williams, P. Mickey
;  APPLICANT:  Wood, William I.
;  TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;  TITLE OF INVENTION:  Acids Encoding the Same
;  FILE REFERENCE: P2630P1C3
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; CURRENT APPLICATION NUMBER: US/09/978,299A
; CURRENT FILING DATE: 2001-10-15
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/064249
; PRIOR FILING DATE: 1997-11-03
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066364
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; PRIOR APPLICATION NUMBER: 60/077641
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077649
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077791
; PRIOR FILING DATE: 1998-03-12
; PRIOR APPLICATION NUMBER: 60/078004
; PRIOR FILING DATE: 1998-03-13
; PRIOR APPLICATION NUMBER: 60/078886
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/078936
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/078910
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; PRIOR APPLICATION NUMBER: 60/081195
; PRIOR FILING DATE: 1998-04-08
; PRIOR APPLICATION NUMBER: 60/081203
; PRIOR FILING DATE: 1998-04-09
; PRIOR APPLICATION NUMBER: 60/081229
; PRIOR FILING DATE: 1998-04-09
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; PRIOR FILING DATE: 1998-04-15
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; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/081819
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; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/082797
; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/082796
; PRIOR FILING DATE: 1998-04-23
; PRIOR APPLICATION NUMBER: 60/083336
; PRIOR FILING DATE: 1998-04-27
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/083392
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; PRIOR APPLICATION NUMBER: 60/083495
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083496
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083499
; PRIOR FILING DATE: 1998-04-29
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; PRIOR FILING DATE: 1998-04-29
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; PRIOR FILING DATE: 1998-04-29
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; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083500
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083742
; PRIOR FILING DATE: 1998-04-30
; PRIOR APPLICATION NUMBER: 60/084366
; PRIOR FILING DATE: 1998-05-05
; PRIOR APPLICATION NUMBER: 60/084414
; PRIOR FILING DATE: 1998-05-06
; PRIOR APPLICATION NUMBER: 60/084441
; PRIOR FILING DATE: 1998-05-06
; PRIOR APPLICATION NUMBER: 60/084637
; PRIOR FILING DATE: 1998-05-07
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; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084640
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084598
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; PRIOR APPLICATION NUMBER: 60/085697

Query Match 1.0%; Score 12; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy        692 TGGGCCAAGGGC 703
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Db          1 TGGGCCAAGGGC 12
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RESULT 617
US-09-978-544A-556
; Sequence 556, Application US/09978544A
; Publication No. US20030199436A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630P1C13
; CURRENT APPLICATION NUMBER: US/09/978,544A
; CURRENT FILING DATE: 2002-03-19
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250
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Query Match 1.0%; Score 12; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy        692 TGGGCCAAGGGC 703
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Db          1 TGGGCCAAGGGC 12
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RESULT 618
US-09-978-665A-556
; Sequence 556, Application US/09978665A
; Publication No. US20030199437A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
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; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
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; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
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; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630P1C19
; CURRENT APPLICATION NUMBER: US/09/978,665A
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; PRIOR FILING DATE: 2001-07-30
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PRIOR APPLICATION NUMBER: 60/085697

Query Match 1.0%; Score 12; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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b 1 TGGGCCAAGGGC 12

ESULT 619
S-09-978-802A-556
Sequence 556, Application US/09978802A
Publication No. US20030199674A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi
APPLICANT: Baker Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan
APPLICANT: Ferrara, Napoleon
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J
APPLICANT: Kljavin, Ivar J.
APPLICANT: Kuo, Sophia S.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James;
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2630P1C20
CURRENT APPLICATION NUMBER: US/09/978,802A
CURRENT FILING DATE: 2001-10-16
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
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; PRIOR APPLICATION NUMBER: 60/082704
; PRIOR FILING DATE: 1998-04-22

; PRIOR APPLICATION NUMBER: 60/082804
; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/082700
; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/082797
; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/082796
; PRIOR FILING DATE: 1998-04-23
; PRIOR APPLICATION NUMBER: 60/083336
; PRIOR FILING DATE: 1998-04-27
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/083392
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083495
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083496
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083499
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083545
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083554
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083558
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083559
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083500
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083742
; PRIOR FILING DATE: 1998-04-30
; PRIOR APPLICATION NUMBER: 60/084366
; PRIOR FILING DATE: 1998-05-05
; PRIOR APPLICATION NUMBER: 60/084414
; PRIOR FILING DATE: 1998-05-06
; PRIOR APPLICATION NUMBER: 60/084441
; PRIOR FILING DATE: 1998-05-06
; PRIOR APPLICATION NUMBER: 60/084637
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084639
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084640
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084598
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084600
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084627
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084643
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/085339
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085338
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085323
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085582
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085700
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085689
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085579
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085580
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085573
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085704
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085697

Query Match 1.0%; Score 12; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy . 692 TGGGCCAAGGGC 703
||||||||||||
Db 1 TGGGCCAAGGGC 12

RESULT 620
US-10-013-924A-556
; Sequence 556, Application US/10013924A
; Publication No. US20030199021A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630P1C76
; CURRENT APPLICATION NUMBER: US/10/013,924A
; CURRENT FILING DATE: 2002-12-10
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/064249
; PRIOR FILING DATE: 1997-11-03
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066364
; PRIOR FILING DATE: 1997-11-21
; PRIOR APPLICATION NUMBER: 60/077450
; PRIOR FILING DATE: 1998-03-10
; PRIOR APPLICATION NUMBER: 60/077632
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077641
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077649
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077791
; PRIOR FILING DATE: 1998-03-12
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 624
; SEQ ID NO 556
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence

; FEATURE:
; OTHER INFORMATION: Synthetic oligonucleotide probe
JS-10-013-924A-556

Query Match 1.0%; Score 12; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 692 TGGGCCAAGGGC 703
||||||||||||
Db 1 TGGGCCAAGGGC 12

RESULT 621
JS-10-020-445A-556
Sequence 556, Application US/10020445A
Publication No. US20030198994A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi
APPLICANT: Baker Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan
APPLICANT: Ferrara, Napoleon
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J
APPLICANT: Kljavin, Ivar J.
APPLICANT: Kuo, Sophia S.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James;
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2630P1C74
CURRENT APPLICATION NUMBER: US/10/020,445A
CURRENT FILING DATE: 2001-10-24
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066364
PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: 60/077450
PRIOR FILING DATE: 1998-03-10
PRIOR APPLICATION NUMBER: 60/077632
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077641
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077649
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077791
PRIOR FILING DATE: 1998-03-12
PRIOR APPLICATION NUMBER: 60/078004
PRIOR FILING DATE: 1998-03-13
PRIOR APPLICATION NUMBER: 60/078886
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/078936
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/078939
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/079294
PRIOR FILING DATE: 1998-03-25
PRIOR APPLICATION NUMBER: 60/079656
PRIOR FILING DATE: 1998-03-26
PRIOR APPLICATION NUMBER: 60/079664
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079689
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079663
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079728
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079786
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079920
PRIOR FILING DATE: 1998-03-30
PRIOR APPLICATION NUMBER: 60/079923
PRIOR FILING DATE: 1998-03-30
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PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080107
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080165
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080194
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080327
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/080328
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PRIOR APPLICATION NUMBER: 60/080333
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PRIOR APPLICATION NUMBER: 60/080334
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/081070
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081049
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081071
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081195
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081203
PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081229
PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081955
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081817
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081819
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081952
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081838
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/082568
PRIOR FILING DATE: 1998-04-21
PRIOR APPLICATION NUMBER: 60/082569
PRIOR FILING DATE: 1998-04-21
PRIOR APPLICATION NUMBER: 60/082704
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082804
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082700
PRIOR FILING DATE: 1998-04-22

; PRIOR APPLICATION NUMBER: 60/082797
; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/082796
; PRIOR FILING DATE: 1998-04-23
; PRIOR APPLICATION NUMBER: 60/083336
; PRIOR FILING DATE: 1998-04-27
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/083392
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083495
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083496
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083499
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083545
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083554
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083558
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083559
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083500
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083742
; PRIOR FILING DATE: 1998-04-30
; PRIOR APPLICATION NUMBER: 60/084366
; PRIOR FILING DATE: 1998-05-05
; PRIOR APPLICATION NUMBER: 60/084414
; PRIOR FILING DATE: 1998-05-06
; PRIOR APPLICATION NUMBER: 60/084441
; PRIOR FILING DATE: 1998-05-06
; PRIOR APPLICATION NUMBER: 60/084637
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084639
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084640
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; PRIOR APPLICATION NUMBER: 60/084598
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084600
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084627
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084643
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/085339
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085338
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085323
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085582
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085700
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085689
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085579
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085580
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085573
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085704
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085697

Query Match 1.0%; Score 12; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 692 TGGGCCAAGGGC 703
||||||||||||
Db 1 TGGGCCAAGGGC 12

RESULT 622
US-10-017-084A-556
; Sequence 556, Application US/10017084A
; Publication No. US20030203402A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630P1C66
; CURRENT APPLICATION NUMBER: US/10/017,084A
; CURRENT FILING DATE: 2002-04-30
; Prior application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 624
; SEQ ID NO 556
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic oligonucleotide probe
US-10-017-084A-556

Query Match 1.0%; Score 12; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 692 TGGGCCAAGGGC 703
||||||||||||
Db 1 TGGGCCAAGGGC 12

RESULT 623
US-10-017-085A-556
; Sequence 556, Application US/10017085A
; Publication No. US20030204055A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon

```
  APPLICANT:  Filvaroff, Ellen
  APPLICANT:  Fong, Sherman
  APPLICANT:  Gao, Wei-Qiang
  APPLICANT:  Gerber, Hanspeter
  APPLICANT:  Gerritsen, Mary E.
  APPLICANT:  Goddard, Audrey
  APPLICANT:  Godowski, Paul J.
  APPLICANT:  Grimaldi, J. Christopher
  APPLICANT:  Gurney, Austin L.
  APPLICANT:  Hillan, Kenneth J
  APPLICANT:  Kljavin, Ivar J.
  APPLICANT:  Kuo, Sophia S.
  APPLICANT:  Napier, Mary A.
  APPLICANT:  Pan, James;
  APPLICANT:  Paoni, Nicholas F.
  APPLICANT:  Roy, Margaret Ann
  APPLICANT:  Shelton, David L.
  APPLICANT:  Stewart, Timothy A.
  APPLICANT:  Tumas, Daniel
  APPLICANT:  Williams, P. Mickey
  APPLICANT:  Wood, William I.
  TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
  TITLE OF INVENTION:  Acids Encoding the Same
  FILE REFERENCE: P2630P1C73
  CURRENT APPLICATION NUMBER: US/10/017,085A
  CURRENT FILING DATE:  2002-04-30
  Prior Application removed - File Wrapper or Palm
  NUMBER OF SEQ ID NOS: 624
 SEQ ID NO 556
    LENGTH: 15
    TYPE: DNA
    ORGANISM: Artificial Sequence
    FEATURE:
    OTHER INFORMATION: Synthetic oligonucleotide probe
S-10-017-085A-556

  Query Match             1.0%;  Score 12;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 4.3e+02;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

y        692 TGGGCCAAGGGC 703
             ||||||||||||
b          1 TGGGCCAAGGGC 12


ESULT 624
S-10-013-916A-556
 Sequence 556, Application US/10013916A
 Publication No. US20030206915A1
 GENERAL INFORMATION:
  APPLICANT: Ashkenazi, Avi
  APPLICANT:  Baker Kevin P.
  APPLICANT:  Botstein, David
  APPLICANT:  Desnoyers, Luc
  APPLICANT:  Eaton, Dan
  APPLICANT:  Ferrara, Napoleon
  APPLICANT:  Filvaroff, Ellen
  APPLICANT:  Fong, Sherman
  APPLICANT:  Gao, Wei-Qiang
  APPLICANT:  Gerber, Hanspeter
  APPLICANT:  Gerritsen, Mary E.
  APPLICANT:  Goddard, Audrey
  APPLICANT:  Godowski, Paul J.
  APPLICANT:  Grimaldi, J. Christopher
  APPLICANT:  Gurney, Austin L.
  APPLICANT:  Hillan, Kenneth J
  APPLICANT:  Kljavin, Ivar J.
  APPLICANT:  Kuo, Sophia S.
  APPLICANT:  Napier, Mary A.
  APPLICANT:  Pan, James;
  APPLICANT:  Paoni, Nicholas F.
  APPLICANT:  Roy, Margaret Ann
  APPLICANT:  Shelton, David L.
  APPLICANT:  Stewart, Timothy A.
  APPLICANT:  Tumas, Daniel
  APPLICANT:  Williams, P. Mickey
  APPLICANT:  Wood, William I.
  TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
  TITLE OF INVENTION:  Acids Encoding the Same
  FILE REFERENCE: P2630P1C79
  CURRENT APPLICATION NUMBER: US/10/013,916A
  CURRENT FILING DATE:  2002-04-30
  Prior Application removed - See File Wrapper or Palm
  NUMBER OF SEQ ID NOS: 624
 SEQ ID NO 556
    LENGTH: 15
    TYPE: DNA
    ORGANISM: Artificial Sequence
    FEATURE:
    OTHER INFORMATION: Synthetic oligonucleotide probe
US-10-013-916A-556

  Query Match             1.0%;  Score 12;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 4.3e+02;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       692 TGGGCCAAGGGC 703
             ||||||||||||
Db         1 TGGGCCAAGGGC 12


RESULT 625
US-10-143-026B-556
 Sequence 556, Application US/10143026B
 Publication No. US20030207803A1
 GENERAL INFORMATION:
  APPLICANT: Ashkenazi, Avi
  APPLICANT:  Baker Kevin P.
  APPLICANT:  Botstein, David
  APPLICANT:  Desnoyers, Luc
  APPLICANT:  Eaton, Dan
  APPLICANT:  Ferrara, Napoleon
  APPLICANT:  Filvaroff, Ellen
  APPLICANT:  Fong, Sherman
  APPLICANT:  Gao, Wei-Qiang
  APPLICANT:  Gerber, Hanspeter
  APPLICANT:  Gerritsen, Mary E.
  APPLICANT:  Goddard, Audrey
  APPLICANT:  Godowski, Paul J.
  APPLICANT:  Grimaldi, J. Christopher
  APPLICANT:  Gurney, Austin L.
  APPLICANT:  Hillan, Kenneth J
  APPLICANT:  Kljavin, Ivar J.
  APPLICANT:  Kuo, Sophia S.
  APPLICANT:  Napier, Mary A.
  APPLICANT:  Pan, James;
  APPLICANT:  Paoni, Nicholas F.
  APPLICANT:  Roy, Margaret Ann
  APPLICANT:  Shelton, David L.
  APPLICANT:  Stewart, Timothy A.
  APPLICANT:  Tumas, Daniel
  APPLICANT:  Williams, P. Mickey
  APPLICANT:  Wood, William I.
  TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
  TITLE OF INVENTION:  Acids Encoding the Same
  FILE REFERENCE: P2630P1C58
  CURRENT APPLICATION NUMBER: US/10/143,026B
  CURRENT FILING DATE:  2003-05-09
  PRIOR APPLICATION NUMBER: 09/918585
  PRIOR FILING DATE: 2001-07-30
  PRIOR APPLICATION NUMBER: 60/062250
  PRIOR FILING DATE: 1997-10-17
  PRIOR APPLICATION NUMBER: 60/064249
  PRIOR FILING DATE: 1997-11-03
  PRIOR APPLICATION NUMBER: 60/065311
  PRIOR FILING DATE: 1997-11-13
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;  PRIOR APPLICATION NUMBER: 60/066364
;  PRIOR FILING DATE: 1997-11-21
;  PRIOR APPLICATION NUMBER: 60/077450
;  PRIOR FILING DATE: 1998-03-10
;  PRIOR APPLICATION NUMBER: 60/077632
;  PRIOR FILING DATE: 1998-03-11
;  PRIOR APPLICATION NUMBER: 60/077641
;  PRIOR FILING DATE: 1998-03-11
;  PRIOR APPLICATION NUMBER: 60/077649
;  PRIOR FILING DATE: 1998-03-11
;  PRIOR APPLICATION NUMBER: 60/077791
;  PRIOR FILING DATE: 1998-03-12
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 624
; SEQ ID NO 556
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic oligonucleotide probe
US-10-143-026B-556

  Query Match             1.0%;  Score 12;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 4.3e+02;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        692 TGGGCCAAGGGC 703
              ||||||||||||
Db          1 TGGGCCAAGGGC 12


RESULT 626
US-10-160-401-10/c
; Sequence 10, Application US/10160401
; Publication No. US20030207281A1
; GENERAL INFORMATION:
;  APPLICANT: Genaissance Pharmaceuticals, Inc.
;  APPLICANT:  Bentivegna, Steven C.
;  APPLICANT:  Bieglecki, Karyn M.
;  APPLICANT:  Koshy, Beena
;  APPLICANT:  Monroe, Glen
;  APPLICANT:  Rounds, Eileen
;  TITLE OF INVENTION: HAPLOTYPES OF THE CXCR4 GENE
;  FILE REFERENCE: MWH-0121US
;  CURRENT APPLICATION NUMBER: US/10/160,401
;  CURRENT FILING DATE:  2002-05-03
;  PRIOR APPLICATION NUMBER: PCT/US01/12268
;  PRIOR FILING DATE: 2001-04-13
;  PRIOR APPLICATION NUMBER: US 60/197,025
;  PRIOR FILING DATE: 2000-04-13
;  NUMBER OF SEQ ID NOS: 31
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 10
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-160-401-10

  Query Match             1.0%;  Score 12;  DB 1;  Length 15;
  Best Local Similarity   85.7%;  Pred. No. 4.3e+02;
  Matches   12;  Conservative    1;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1561 AATTTTTTTTACTG 1574
              |:|||||| ||||
Db         15 AWTTTTTTTAACTG 2


RESULT 627
US-10-013-918A-556
; Sequence 556, Application US/10013918A
; Publication No. US20030211091A1
; GENERAL INFORMATION:
;  APPLICANT: Ashkenazi, Avi
;  APPLICANT:  Baker Kevin P.
;  APPLICANT:  Botstein, David
;  APPLICANT:  Desnoyers, Luc
;  APPLICANT:  Eaton, Dan
;  APPLICANT:  Ferrara, Napoleon
;  APPLICANT:  Filvaroff, Ellen
;  APPLICANT:  Fong, Sherman
;  APPLICANT:  Gao, Wei-Qiang
;  APPLICANT:  Gerber, Hanspeter
;  APPLICANT:  Gerritsen, Mary E.
;  APPLICANT:  Goddard, Audrey
;  APPLICANT:  Godowski, Paul J.
;  APPLICANT:  Grimaldi, J. Christopher
;  APPLICANT:  Gurney, Austin L.
;  APPLICANT:  Hillan, Kenneth J
;  APPLICANT:  Kljavin, Ivar J.
;  APPLICANT:  Kuo, Sophia S.
;  APPLICANT:  Napier, Mary A.
;  APPLICANT:  Pan, James;
;  APPLICANT:  Paoni, Nicholas F.
;  APPLICANT:  Roy, Margaret Ann
;  APPLICANT:  Shelton, David L.
;  APPLICANT:  Stewart, Timothy A.
;  APPLICANT:  Tumas, Daniel
;  APPLICANT:  Williams, P. Mickey
;  APPLICANT:  Wood, William I.
;  TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;  TITLE OF INVENTION:  Acids Encoding the Same
;  FILE REFERENCE: P2630P1C77
;  CURRENT APPLICATION NUMBER: US/10/013,918A
;  CURRENT FILING DATE:  2002-03-25
;  PRIOR APPLICATION NUMBER: 09/918585
;  PRIOR FILING DATE: 2001-07-30
;  PRIOR APPLICATION NUMBER: 60/062250
;  PRIOR FILING DATE: 1997-10-17
;  PRIOR APPLICATION NUMBER: 60/064249
;  PRIOR FILING DATE: 1997-11-03
;  PRIOR APPLICATION NUMBER: 60/065311
;  PRIOR FILING DATE: 1997-11-13
;  PRIOR APPLICATION NUMBER: 60/066364
;  PRIOR FILING DATE: 1997-11-21
;  PRIOR APPLICATION NUMBER: 60/077450
;  PRIOR FILING DATE: 1998-03-10
;  PRIOR APPLICATION NUMBER: 60/077632
;  PRIOR FILING DATE: 1998-03-11
;  PRIOR APPLICATION NUMBER: 60/077641
;  PRIOR FILING DATE: 1998-03-11
;  PRIOR APPLICATION NUMBER: 60/077649
;  PRIOR FILING DATE: 1998-03-11
;  PRIOR APPLICATION NUMBER: 60/077791
;  PRIOR FILING DATE: 1998-03-12
;  PRIOR APPLICATION NUMBER: 60/078004
;  PRIOR FILING DATE: 1998-03-13
;  PRIOR APPLICATION NUMBER: 60/078886
;  PRIOR FILING DATE: 1998-03-20
;  PRIOR APPLICATION NUMBER: 60/078936
;  PRIOR FILING DATE: 1998-03-20
;  PRIOR APPLICATION NUMBER: 60/078910
;  PRIOR FILING DATE: 1998-03-20
;  PRIOR APPLICATION NUMBER: 60/078939
;  PRIOR FILING DATE: 1998-03-20
;  PRIOR APPLICATION NUMBER: 60/079294
;  PRIOR FILING DATE: 1998-03-25
;  PRIOR APPLICATION NUMBER: 60/079656
;  PRIOR FILING DATE: 1998-03-26
;  PRIOR APPLICATION NUMBER: 60/079664
;  PRIOR FILING DATE: 1998-03-27
;  PRIOR APPLICATION NUMBER: 60/079689
;  PRIOR FILING DATE: 1998-03-27
;  PRIOR APPLICATION NUMBER: 60/079663
;  PRIOR FILING DATE: 1998-03-27
;  PRIOR APPLICATION NUMBER: 60/079728
;  PRIOR FILING DATE: 1998-03-27
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; PRIOR APPLICATION NUMBER: 60/079786
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: 60/079920
; PRIOR FILING DATE: 1998-03-30
; PRIOR APPLICATION NUMBER: 60/079923
; PRIOR FILING DATE: 1998-03-30
; PRIOR APPLICATION NUMBER: 60/080105
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: 60/080107
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: 60/080165
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: 60/080194
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; PRIOR APPLICATION NUMBER: 60/080327
; PRIOR FILING DATE: 1998-04-01
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; PRIOR FILING DATE: 1998-04-08
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; PRIOR FILING DATE: 1998-04-08
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; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/082568
; PRIOR FILING DATE: 1998-04-21
; PRIOR APPLICATION NUMBER: 60/082569
; PRIOR FILING DATE: 1998-04-21
; PRIOR APPLICATION NUMBER: 60/082704
; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/082804
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; PRIOR FILING DATE: 1998-04-23
; PRIOR APPLICATION NUMBER: 60/083336
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; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/083392
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083495
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083496
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083499
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083545
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083554
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083558
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083559
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083500
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083742
; PRIOR FILING DATE: 1998-04-30
; PRIOR APPLICATION NUMBER: 60/084366
; PRIOR FILING DATE: 1998-05-05
; PRIOR APPLICATION NUMBER: 60/084414
; PRIOR FILING DATE: 1998-05-06
; PRIOR APPLICATION NUMBER: 60/084441
; PRIOR FILING DATE: 1998-05-06
; PRIOR APPLICATION NUMBER: 60/084637
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; PRIOR APPLICATION NUMBER: 60/084639
; PRIOR FILING DATE: 1998-05-07
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; PRIOR APPLICATION NUMBER: 60/084600
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084627
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084643
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/085339
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085338
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085323
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085582
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085700
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085689
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085579
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085580
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085573
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085704
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085697

Query Match 1.0%; Score 12; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy        692 TGGGCCAAGGGC 703
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Db          1 TGGGCCAAGGGC 12
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RESULT 628
US-10-013-923A-556
; Sequence 556, Application US/10013923A
; Publication No. US20030216305A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman

```
;  APPLICANT:  Gao, Wei-Qiang
;  APPLICANT:  Gerber, Hanspeter
;  APPLICANT:  Gerritsen, Mary E.
;  APPLICANT:  Goddard, Audrey
;  APPLICANT:  Godowski, Paul J.
;  APPLICANT:  Grimaldi, J. Christopher
;  APPLICANT:  Gurney, Austin L.
;  APPLICANT:  Hillan, Kenneth J
;  APPLICANT:  Kljavin, Ivar J.
;  APPLICANT:  Kuo, Sophia S.
;  APPLICANT:  Napier, Mary A.
;  APPLICANT:  Pan, James;
;  APPLICANT:  Paoni, Nicholas F.
;  APPLICANT:  Roy, Margaret Ann
;  APPLICANT:  Shelton, David L.
;  APPLICANT:  Stewart, Timothy A.
;  APPLICANT:  Tumas, Daniel
;  APPLICANT:  Williams, P. Mickey
;  APPLICANT:  Wood, William I.
;  TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;  TITLE OF INVENTION:  Acids Encoding the Same
;  FILE REFERENCE: P2630P1C87
;  CURRENT APPLICATION NUMBER: US/10/013,923A
;  CURRENT FILING DATE:  2001-10-25
;  Prior Application removed - See Palm or File Wrapper
;  NUMBER OF SEQ ID NOS: 624
; SEQ ID NO 556
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic oligonucleotide probe
US-10-013-923A-556

  Query Match             1.0%;  Score 12;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 4.3e+02;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        692 TGGGCCAAGGGC 703
              ||||||||||||
Db          1 TGGGCCAAGGGC 12


RESULT 629
US-10-013-925A-556
; Sequence 556, Application US/10013925A
; Publication No. US20030216560A1
; GENERAL INFORMATION:
;  APPLICANT: Ashkenazi, Avi
;  APPLICANT:  Baker Kevin P.
;  APPLICANT:  Botstein, David
;  APPLICANT:  Desnoyers, Luc
;  APPLICANT:  Eaton, Dan
;  APPLICANT:  Ferrara, Napoleon
;  APPLICANT:  Filvaroff, Ellen
;  APPLICANT:  Fong, Sherman
;  APPLICANT:  Gao, Wei-Qiang
;  APPLICANT:  Gerber, Hanspeter
;  APPLICANT:  Gerritsen, Mary E.
;  APPLICANT:  Goddard, Audrey
;  APPLICANT:  Godowski, Paul J.
;  APPLICANT:  Grimaldi, J. Christopher
;  APPLICANT:  Gurney, Austin L.
;  APPLICANT:  Hillan, Kenneth J
;  APPLICANT:  Kljavin, Ivar J.
;  APPLICANT:  Kuo, Sophia S.
;  APPLICANT:  Napier, Mary A.
;  APPLICANT:  Pan, James;
;  APPLICANT:  Paoni, Nicholas F.
;  APPLICANT:  Roy, Margaret Ann
;  APPLICANT:  Shelton, David L.
;  APPLICANT:  Stewart, Timothy A.
;  APPLICANT:  Tumas, Daniel
;  APPLICANT:  Williams, P. Mickey
;  APPLICANT:  Wood, William I.
;  TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;  TITLE OF INVENTION:  Acids Encoding the Same
;  FILE REFERENCE: P2630P1C83
;  CURRENT APPLICATION NUMBER: US/10/013,925A
;  CURRENT FILING DATE:  2002-05-03
;  Prior Application removed - See File Wrapper or Palm
;  NUMBER OF SEQ ID NOS: 624
; SEQ ID NO 556
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic oligonucleotide probe
US-10-013-925A-556

  Query Match             1.0%;  Score 12;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 4.3e+02;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        692 TGGGCCAAGGGC 703
              ||||||||||||
Db          1 TGGGCCAAGGGC 12


RESULT 630
US-10-013-927A-556
; Sequence 556, Application US/10013927A
; Publication No. US20030216561A1
; GENERAL INFORMATION:
;  APPLICANT: Ashkenazi, Avi
;  APPLICANT:  Baker Kevin P.
;  APPLICANT:  Botstein, David
;  APPLICANT:  Desnoyers, Luc
;  APPLICANT:  Eaton, Dan
;  APPLICANT:  Ferrara, Napoleon
;  APPLICANT:  Filvaroff, Ellen
;  APPLICANT:  Fong, Sherman
;  APPLICANT:  Gao, Wei-Qiang
;  APPLICANT:  Gerber, Hanspeter
;  APPLICANT:  Gerritsen, Mary E.
;  APPLICANT:  Goddard, Audrey
;  APPLICANT:  Godowski, Paul J.
;  APPLICANT:  Grimaldi, J. Christopher
;  APPLICANT:  Gurney, Austin L.
;  APPLICANT:  Hillan, Kenneth J
;  APPLICANT:  Kljavin, Ivar J.
;  APPLICANT:  Kuo, Sophia S.
;  APPLICANT:  Napier, Mary A.
;  APPLICANT:  Pan, James;
;  APPLICANT:  Paoni, Nicholas F.
;  APPLICANT:  Roy, Margaret Ann
;  APPLICANT:  Shelton, David L.
;  APPLICANT:  Stewart, Timothy A.
;  APPLICANT:  Tumas, Daniel
;  APPLICANT:  Williams, P. Mickey
;  APPLICANT:  Wood, William I.
;  TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;  TITLE OF INVENTION:  Acids Encoding the Same
;  FILE REFERENCE: P2630P1C88
;  CURRENT APPLICATION NUMBER: US/10/013,927A
;  CURRENT FILING DATE:  2001-10-25
;  Prior Application removed - See File Wrapper or Palm
;  NUMBER OF SEQ ID NOS: 624
; SEQ ID NO 556
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic oligonucleotide probe
US-10-013-927A-556
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 Query Match             1.0%;  Score 12;  DB 1;  Length 15;
 Best Local Similarity   100.0%;  Pred. No. 4.3e+02;
 Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

y        692 TGGGCCAAGGGC 703
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b          1 TGGGCCAAGGGC 12


ESULT 631
3-10-013-928A-556
 Sequence 556, Application US/10013928A
 Publication No. US20030215905A1
 GENERAL INFORMATION:
  APPLICANT: Ashkenazi, Avi
  APPLICANT:  Baker Kevin P.
  APPLICANT:  Botstein, David
  APPLICANT:  Desnoyers, Luc
  APPLICANT:  Eaton, Dan
  APPLICANT:  Ferrara, Napoleon
  APPLICANT:  Filvaroff, Ellen
  APPLICANT:  Fong, Sherman
  APPLICANT:  Gao, Wei-Qiang
  APPLICANT:  Gerber, Hanspeter
  APPLICANT:  Gerritsen, Mary E.
  APPLICANT:  Goddard, Audrey
  APPLICANT:  Godowski, Paul J.
  APPLICANT:  Grimaldi, J. Christopher
  APPLICANT:  Gurney, Austin L.
  APPLICANT:  Hillan, Kenneth J
  APPLICANT:  Kljavin, Ivar J.
  APPLICANT:  Kuo, Sophia S.
  APPLICANT:  Napier, Mary A.
  APPLICANT:  Pan, James;
  APPLICANT:  Paoni, Nicholas F.
  APPLICANT:  Roy, Margaret Ann
  APPLICANT:  Shelton, David L.
  APPLICANT:  Stewart, Timothy A.
  APPLICANT:  Tumas, Daniel
  APPLICANT:  Williams, P. Mickey
  APPLICANT:  Wood, William I.
  TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
  TITLE OF INVENTION:  Acids Encoding the Same
  FILE REFERENCE: P2630P1C86
  CURRENT APPLICATION NUMBER: US/10/013,928A
  CURRENT FILING DATE:  2001-10-25
  PRIOR APPLICATION NUMBER: 09/918585
  PRIOR FILING DATE: 2001-07-30
  PRIOR APPLICATION NUMBER: 60/062250
  PRIOR FILING DATE: 1997-10-17
  PRIOR APPLICATION NUMBER: 60/064249
  PRIOR FILING DATE: 1997-11-03
  PRIOR APPLICATION NUMBER: 60/065311
  PRIOR FILING DATE: 1997-11-13
  PRIOR APPLICATION NUMBER: 60/066364
  PRIOR FILING DATE: 1997-11-21
  PRIOR APPLICATION NUMBER: 60/077450
  PRIOR FILING DATE: 1998-03-10
  PRIOR APPLICATION NUMBER: 60/077632
  PRIOR FILING DATE: 1998-03-11
  PRIOR APPLICATION NUMBER: 60/077641
  PRIOR FILING DATE: 1998-03-11
  PRIOR APPLICATION NUMBER: 60/077649
  PRIOR FILING DATE: 1998-03-11
  PRIOR APPLICATION NUMBER: 60/077791
  PRIOR FILING DATE: 1998-03-12
  Remaining Prior Application data removed - See File Wrapper or PALM.
  NUMBER OF SEQ ID NOS: 624
 SEQ ID NO 556
    LENGTH: 15
    TYPE: DNA
    ORGANISM: Artificial Sequence
    FEATURE:
;   OTHER INFORMATION: Synthetic oligonucleotide probe
US-10-013-928A-556

  Query Match             1.0%;  Score 12;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 4.3e+02;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        692 TGGGCCAAGGGC 703
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Db          1 TGGGCCAAGGGC 12


RESULT 632
US-10-162-522A-556
; Sequence 556, Application US/10162522A
; Publication No. US20030215908A1
; GENERAL INFORMATION:
;  APPLICANT: Ashkenazi, Avi
;  APPLICANT:  Baker Kevin P.
;  APPLICANT:  Botstein, David
;  APPLICANT:  Desnoyers, Luc
;  APPLICANT:  Eaton, Dan
;  APPLICANT:  Ferrara, Napoleon
;  APPLICANT:  Filvaroff, Ellen
;  APPLICANT:  Fong, Sherman
;  APPLICANT:  Gao, Wei-Qiang
;  APPLICANT:  Gerber, Hanspeter
;  APPLICANT:  Gerritsen, Mary E.
;  APPLICANT:  Goddard, Audrey
;  APPLICANT:  Godowski, Paul J.
;  APPLICANT:  Grimaldi, J. Christopher
;  APPLICANT:  Gurney, Austin L.
;  APPLICANT:  Hillan, Kenneth J
;  APPLICANT:  Kljavin, Ivar J.
;  APPLICANT:  Kuo, Sophia S.
;  APPLICANT:  Napier, Mary A.
;  APPLICANT:  Pan, James;
;  APPLICANT:  Paoni, Nicholas F.
;  APPLICANT:  Roy, Margaret Ann
;  APPLICANT:  Shelton, David L.
;  APPLICANT:  Stewart, Timothy A.
;  APPLICANT:  Tumas, Daniel
;  APPLICANT:  Williams, P. Mickey
;  APPLICANT:  Wood, William I.
;  TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;  TITLE OF INVENTION:  Acids Encoding the Same
;  FILE REFERENCE: P2630P1C56
;  CURRENT APPLICATION NUMBER: US/10/162,522A
;  CURRENT FILING DATE:  2002-10-10
;  PRIOR APPLICATION NUMBER: 09/918585
;  PRIOR FILING DATE: 2001-07-30
;  PRIOR APPLICATION NUMBER: 60/062250
;  PRIOR FILING DATE: 1997-10-17
;  PRIOR APPLICATION NUMBER: 60/064249
;  PRIOR FILING DATE: 1997-11-03
;  PRIOR APPLICATION NUMBER: 60/065311
;  PRIOR FILING DATE: 1997-11-13
;  PRIOR APPLICATION NUMBER: 60/066364
;  PRIOR FILING DATE: 1997-11-21
;  PRIOR APPLICATION NUMBER: 60/077450
;  PRIOR FILING DATE: 1998-03-10
;  PRIOR APPLICATION NUMBER: 60/077632
;  PRIOR FILING DATE: 1998-03-11
;  PRIOR APPLICATION NUMBER: 60/077641
;  PRIOR FILING DATE: 1998-03-11
;  PRIOR APPLICATION NUMBER: 60/077649
;  PRIOR FILING DATE: 1998-03-11
;  PRIOR APPLICATION NUMBER: 60/077791
;  PRIOR FILING DATE: 1998-03-12
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 624
; SEQ ID NO 556
;   LENGTH: 15
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;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic oligonucleotide probe
US-10-162-522A-556

  Query Match             1.0%;  Score 12;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 4.3e+02;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        692 TGGGCCAAGGGC 703
              ||||||||||||
Db          1 TGGGCCAAGGGC 12


RESULT 633
US-10-017-081A-556
; Sequence 556, Application US/10017081A
; Publication No. US20030049684A1
; GENERAL INFORMATION:
;  APPLICANT: Ashkenazi, Avi
;  APPLICANT:  Baker Kevin P.
;  APPLICANT:  Botstein, David
;  APPLICANT:  Desnoyers, Luc
;  APPLICANT:  Eaton, Dan
;  APPLICANT:  Ferrara, Napoleon
;  APPLICANT:  Filvaroff, Ellen
;  APPLICANT:  Fong, Sherman
;  APPLICANT:  Gao, Wei-Qiang
;  APPLICANT:  Gerber, Hanspeter
;  APPLICANT:  Gerritsen, Mary E.
;  APPLICANT:  Goddard, Audrey
;  APPLICANT:  Godowski, Paul J.
;  APPLICANT:  Grimaldi, J. Christopher
;  APPLICANT:  Gurney, Austin L.
;  APPLICANT:  Hillan, Kenneth J
;  APPLICANT:  Kljavin, Ivar J.
;  APPLICANT:  Kuo, Sophia S.
;  APPLICANT:  Napier, Mary A.
;  APPLICANT:  Pan, James;
;  APPLICANT:  Paoni, Nicholas F.
;  APPLICANT:  Roy, Margaret Ann
;  APPLICANT:  Shelton, David L.
;  APPLICANT:  Stewart, Timothy A.
;  APPLICANT:  Tumas, Daniel
;  APPLICANT:  Williams, P. Mickey
;  APPLICANT:  Wood, William I.
;  TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;  TITLE OF INVENTION:  Acids Encoding the Same
;  FILE REFERENCE: P2630P1C69
;  CURRENT APPLICATION NUMBER: US/10/017,081A
;  CURRENT FILING DATE:  2002-04-30
;  Prior application removed - See File Wrapper or Palm
;  NUMBER OF SEQ ID NOS: 624
; SEQ ID NO 556
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic oligonucleotide probe
US-10-017-081A-556

  Query Match             1.0%;  Score 12;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 4.3e+02;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        692 TGGGCCAAGGGC 703
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Db          1 TGGGCCAAGGGC 12


RESULT 634
US-10-167-749-556
; Sequence 556, Application US/10167749
; Publication No. US20030056137A1
; GENERAL INFORMATION:
;  APPLICANT: Ashkenazi, Avi
;  APPLICANT:  Baker Kevin P.
;  APPLICANT:  Botstein, David
;  APPLICANT:  Desnoyers, Luc
;  APPLICANT:  Eaton, Dan
;  APPLICANT:  Ferrara, Napoleon
;  APPLICANT:  Filvaroff, Ellen
;  APPLICANT:  Fong, Sherman
;  APPLICANT:  Gao, Wei-Qiang
;  APPLICANT:  Gerber, Hanspeter
;  APPLICANT:  Gerritsen, Mary E.
;  APPLICANT:  Goddard, Audrey
;  APPLICANT:  Godowski, Paul J.
;  APPLICANT:  Grimaldi, J. Christopher
;  APPLICANT:  Gurney, Austin L.
;  APPLICANT:  Hillan, Kenneth J
;  APPLICANT:  Kljavin, Ivar J.
;  APPLICANT:  Kuo, Sophia S.
;  APPLICANT:  Napier, Mary A.
;  APPLICANT:  Pan, James;
;  APPLICANT:  Paoni, Nicholas F.
;  APPLICANT:  Roy, Margaret Ann
;  APPLICANT:  Shelton, David L.
;  APPLICANT:  Stewart, Timothy A.
;  APPLICANT:  Tumas, Daniel
;  APPLICANT:  Williams, P. Mickey
;  APPLICANT:  Wood, William I.
;  TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;  TITLE OF INVENTION:  Acids Encoding the Same
;  FILE REFERENCE: P2630P1C60
;  CURRENT APPLICATION NUMBER: US/10/167,749
;  CURRENT FILING DATE:  2001-10-19
;  PRIOR APPLICATION NUMBER: 09/918585
;  PRIOR FILING DATE: 2001-07-30
;  PRIOR APPLICATION NUMBER: 60/062250
;  PRIOR FILING DATE: 1997-10-17
;  PRIOR APPLICATION NUMBER: 60/064249
;  PRIOR FILING DATE: 1997-11-03
;  PRIOR APPLICATION NUMBER: 60/065311
;  PRIOR FILING DATE: 1997-11-13
;  PRIOR APPLICATION NUMBER: 60/066364
;  PRIOR FILING DATE: 1997-11-21
;  PRIOR APPLICATION NUMBER: 60/077450
;  PRIOR FILING DATE: 1998-03-10
;  PRIOR APPLICATION NUMBER: 60/077632
;  PRIOR FILING DATE: 1998-03-11
;  PRIOR APPLICATION NUMBER: 60/077641
;  PRIOR FILING DATE: 1998-03-11
;  PRIOR APPLICATION NUMBER: 60/077649
;  PRIOR FILING DATE: 1998-03-11
;  PRIOR APPLICATION NUMBER: 60/077791
;  PRIOR FILING DATE: 1998-03-12
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 624
; SEQ ID NO 556
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic oligonucleotide probe
US-10-167-749-556

  Query Match             1.0%;  Score 12;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 4.3e+02;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        692 TGGGCCAAGGGC 703
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Db          1 TGGGCCAAGGGC 12
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ESULT 635
S-10-013-921A-556
Sequence 556, Application US/10013921A
Publication No. US20030068648A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi
APPLICANT: Baker Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan
APPLICANT: Ferrara, Napoleon
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J
APPLICANT: Kljavin, Ivar J.
APPLICANT: Kuo, Sophia S.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James;
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2630P1C84
CURRENT APPLICATION NUMBER: US/10/013,921A
CURRENT FILING DATE: 2002-03-19
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066364
PRIOR FILING DATE: 1997-11-21
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PRIOR FILING DATE: 1998-03-10
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PRIOR APPLICATION NUMBER: 60/077641
PRIOR FILING DATE: 1998-03-11
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PRIOR FILING DATE: 1998-03-11
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PRIOR APPLICATION NUMBER: 60/078004
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PRIOR FILING DATE: 1998-03-20
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PRIOR FILING DATE: 1998-04-01
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PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081071
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081195
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081203
PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081229
PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081955
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081817
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; PRIOR APPLICATION NUMBER: 60/083496
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; PRIOR APPLICATION NUMBER: 60/083500
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083742
; PRIOR FILING DATE: 1998-04-30
; PRIOR APPLICATION NUMBER: 60/084366
; PRIOR FILING DATE: 1998-05-05
; PRIOR APPLICATION NUMBER: 60/084414
; PRIOR FILING DATE: 1998-05-06
; PRIOR APPLICATION NUMBER: 60/084441
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; PRIOR APPLICATION NUMBER: 60/084639
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084640
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; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084600
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; PRIOR FILING DATE: 1998-05-15
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; PRIOR FILING DATE: 1998-05-15
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; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085704
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085697

Query Match 1.0%; Score 12; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy        692 TGGGCCAAGGGC 703
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Db          1 TGGGCCAAGGGC 12
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RESULT 636
US-10-013-929A-556
; Sequence 556, Application US/10013929A
; Publication No. US20030072745A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630P1C89
; CURRENT APPLICATION NUMBER: US/10/013,929A
; CURRENT FILING DATE: 2002-03-19
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250
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; PRIOR APPLICATION NUMBER: 60/064249
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PRIOR FILING DATE: 1998-03-30
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PRIOR FILING DATE: 1998-04-21
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PRIOR APPLICATION NUMBER: 60/083322
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; PRIOR APPLICATION NUMBER: 60/084366
; PRIOR FILING DATE: 1998-05-05
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; PRIOR APPLICATION NUMBER: 60/084600
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084627
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084643
; PRIOR FILING DATE: 1998-05-07
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; PRIOR APPLICATION NUMBER: 60/085704
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085697

Query Match 1.0%; Score 12; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy        692 TGGGCCAAGGGC 703
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Db          1 TGGGCCAAGGGC 12
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RESULT 637
US-10-016-177A-556
; Sequence 556, Application US/10016177A
; Publication No. US20030073131A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman

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;  APPLICANT:  Gao, Wei-Qiang
;  APPLICANT:  Gerber, Hanspeter
;  APPLICANT:  Gerritsen, Mary E.
;  APPLICANT:  Goddard, Audrey
;  APPLICANT:  Godowski, Paul J.
;  APPLICANT:  Grimaldi, J. Christopher
;  APPLICANT:  Gurney, Austin L.
;  APPLICANT:  Hillan, Kenneth J
;  APPLICANT:  Kljavin, Ivar J.
   APPLICANT:  Kuo, Sophia S.
   APPLICANT:  Napier, Mary A.
   APPLICANT:  Pan, James;
   APPLICANT:  Paoni, Nicholas F.
   APPLICANT:  Roy, Margaret Ann
   APPLICANT:  Shelton, David L.
   APPLICANT:  Stewart, Timothy A.
   APPLICANT:  Tumas, Daniel
   APPLICANT:  Williams, P. Mickey
   APPLICANT:  Wood, William I.
   TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
   TITLE OF INVENTION:  Acids Encoding the Same
   FILE REFERENCE: P2630P1C90
   CURRENT APPLICATION NUMBER: US/10/016,177A
   CURRENT FILING DATE:  2002-04-30
   Prior application removed - See File Wrapper or Palm
   NUMBER OF SEQ ID NOS: 624
  SEQ ID NO 556
    LENGTH: 15
    TYPE: DNA
    ORGANISM: Artificial Sequence
    FEATURE:
    OTHER INFORMATION: Synthetic oligonucleotide probe
JS-10-016-177A-556

  Query Match             1.0%;  Score 12;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 4.3e+02;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        692 TGGGCCAAGGGC 703
              ||||||||||||
Db          1 TGGGCCAAGGGC 12


RESULT 638
JS-10-287-919-1192/c
; Sequence 1192, Application US/10287919
; Publication No. US20030085830A1
; GENERAL INFORMATION:
;  APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
;  TITLE OF INVENTION: Methanococcus jannaschii complete genome.
;  FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
;  CURRENT APPLICATION NUMBER: US/10/287,919
;  CURRENT FILING DATE:  2002-11-05
;  NUMBER OF SEQ ID NOS: 2706
;  SOFTWARE: Proprietary
; SEQ ID NO 1192
;    LENGTH: 15
;    TYPE: DNA
;    ORGANISM: Methanococcus jannaschii complete genome.
;    FEATURE:
;    LOCATION: (532109)...(532123)
;    OTHER INFORMATION: Chromosome = 1  Strand = positive  ConnectronObjectNumber =  1459
US-10-287-919-1192

  Query Match             1.0%;  Score 12;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 4.3e+02;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1011 ATTATTTTCAAG 1022
              ||||||||||||
Db         14 ATTATTTTCAAG 3


RESULT 639
US-10-287-919-1476/c
; Sequence 1476, Application US/10287919
; Publication No. US20030085830A1
; GENERAL INFORMATION:
;  APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
;  TITLE OF INVENTION: Methanococcus jannaschii complete genome.
;  FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
;  CURRENT APPLICATION NUMBER: US/10/287,919
;  CURRENT FILING DATE:  2002-11-05
;  NUMBER OF SEQ ID NOS: 2706
;  SOFTWARE: Proprietary
; SEQ ID NO 1476
;    LENGTH: 15
;    TYPE: DNA
;    ORGANISM: Methanococcus jannaschii complete genome.
;    FEATURE:
;    LOCATION: (750956)...(750970)
;    OTHER INFORMATION: Chromosome = 1  Strand = positive  ConnectronObjectNumber =  185
US-10-287-919-1476

  Query Match             1.0%;  Score 12;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 4.3e+02;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        985 CTTTAAGTTTTT 996
              ||||||||||||
Db         12 CTTTAAGTTTTT 1


RESULT 640
US-10-287-919-1491/c
; Sequence 1491, Application US/10287919
; Publication No. US20030085830A1
; GENERAL INFORMATION:
;  APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
;  TITLE OF INVENTION: Methanococcus jannaschii complete genome.
;  FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
;  CURRENT APPLICATION NUMBER: US/10/287,919
;  CURRENT FILING DATE:  2002-11-05
;  NUMBER OF SEQ ID NOS: 2706
;  SOFTWARE: Proprietary
; SEQ ID NO 1491
;    LENGTH: 15
;    TYPE: DNA
;    ORGANISM: Methanococcus jannaschii complete genome.
;    FEATURE:
;    LOCATION: (781032)...(781046)
;    OTHER INFORMATION: Chromosome = 1  Strand = negative  ConnectronObjectNumber =  187
US-10-287-919-1491

  Query Match             1.0%;  Score 12;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 4.3e+02;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        985 CTTTAAGTTTTT 996
              ||||||||||||
Db         12 CTTTAAGTTTTT 1


RESULT 641
US-10-287-919-2242/c
; Sequence 2242, Application US/10287919
; Publication No. US20030085830A1
; GENERAL INFORMATION:
;  APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
;  TITLE OF INVENTION: Methanococcus jannaschii complete genome.
;  FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
;  CURRENT APPLICATION NUMBER: US/10/287,919
;  CURRENT FILING DATE:  2002-11-05
;  NUMBER OF SEQ ID NOS: 2706
;  SOFTWARE: Proprietary
; SEQ ID NO 2242
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LENGTH: 15
TYPE: DNA
ORGANISM: Methanococcus jannaschii complete genome.
FEATURE:
LOCATION: (1380574)...(1380588)
OTHER INFORMATION: Chromosome = 1 Strand = positive ConnectronObjectNumber = 2864
3-10-287-919-2242

Query Match 1.0%; Score 12; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

/ 1011 ATTATTTTCAAG 1022
||||||||||||
> 14 ATTATTTTCAAG 3

3SULT 642
3-10-166-709A-556
Sequence 556, Application US/10166709A
Publication No. US20030104536A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi
APPLICANT: Baker Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan
APPLICANT: Ferrara, Napoleon
APPLICANT: Pilvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J
APPLICANT: Kljavin, Ivar J.
APPLICANT: Kuo, Sophia S.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James;
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2630P1C59
CURRENT APPLICATION NUMBER: US/10/166,709A
CURRENT FILING DATE: 2001-10-19
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066364
PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: 60/077450
PRIOR FILING DATE: 1998-03-10
PRIOR APPLICATION NUMBER: 60/077632
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077641
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077649
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077791
; PRIOR FILING DATE: 1998-03-12
; PRIOR APPLICATION NUMBER: 60/078004
; PRIOR FILING DATE: 1998-03-13
; PRIOR APPLICATION NUMBER: 60/078886
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/078936
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/078939
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079656
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: 60/079664
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: 60/079689
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: 60/079663
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: 60/079728
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: 60/079786
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: 60/079920
; PRIOR FILING DATE: 1998-03-30
; PRIOR APPLICATION NUMBER: 60/079923
; PRIOR FILING DATE: 1998-03-30
; PRIOR APPLICATION NUMBER: 60/080105
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: 60/080107
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: 60/080165
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: 60/080194
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: 60/080327
; PRIOR FILING DATE: 1998-04-01
; PRIOR APPLICATION NUMBER: 60/080328
; PRIOR FILING DATE: 1998-04-01
; PRIOR APPLICATION NUMBER: 60/080333
; PRIOR FILING DATE: 1998-04-01
; PRIOR APPLICATION NUMBER: 60/080334
; PRIOR FILING DATE: 1998-04-01
; PRIOR APPLICATION NUMBER: 60/081070
; PRIOR FILING DATE: 1998-04-08
; PRIOR APPLICATION NUMBER: 60/081049
; PRIOR FILING DATE: 1998-04-08
; PRIOR APPLICATION NUMBER: 60/081071
; PRIOR FILING DATE: 1998-04-08
; PRIOR APPLICATION NUMBER: 60/081195
; PRIOR FILING DATE: 1998-04-08
; PRIOR APPLICATION NUMBER: 60/081203
; PRIOR FILING DATE: 1998-04-09
; PRIOR APPLICATION NUMBER: 60/081229
; PRIOR FILING DATE: 1998-04-09
; PRIOR APPLICATION NUMBER: 60/081955
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/081817
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/081819
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/081952
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/081838
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/082568
; PRIOR FILING DATE: 1998-04-21
; PRIOR APPLICATION NUMBER: 60/082569
; PRIOR FILING DATE: 1998-04-21
; PRIOR APPLICATION NUMBER: 60/082704
; PRIOR FILING DATE: 1998-04-22

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;  PRIOR APPLICATION NUMBER: 60/082804
;  PRIOR FILING DATE: 1998-04-22
;  PRIOR APPLICATION NUMBER: 60/082700
;  PRIOR FILING DATE: 1998-04-22
;  PRIOR APPLICATION NUMBER: 60/082797
;  PRIOR FILING DATE: 1998-04-22
;  PRIOR APPLICATION NUMBER: 60/082796
;  PRIOR FILING DATE: 1998-04-23
;  PRIOR APPLICATION NUMBER: 60/083336
;  PRIOR FILING DATE: 1998-04-27
;  PRIOR APPLICATION NUMBER: 60/083322
;  PRIOR FILING DATE: 1998-04-28
;  PRIOR APPLICATION NUMBER: 60/083392
;  PRIOR FILING DATE: 1998-04-29
;  PRIOR APPLICATION NUMBER: 60/083495
;  PRIOR FILING DATE: 1998-04-29
;  PRIOR APPLICATION NUMBER: 60/083496
;  PRIOR FILING DATE: 1998-04-29
;  PRIOR APPLICATION NUMBER: 60/083499
;  PRIOR FILING DATE: 1998-04-29
;  PRIOR APPLICATION NUMBER: 60/083545
;  PRIOR FILING DATE: 1998-04-29
;  PRIOR APPLICATION NUMBER: 60/083554
;  PRIOR FILING DATE: 1998-04-29
;  PRIOR APPLICATION NUMBER: 60/083558
;  PRIOR FILING DATE: 1998-04-29
;  PRIOR APPLICATION NUMBER: 60/083559
;  PRIOR FILING DATE: 1998-04-29
;  PRIOR APPLICATION NUMBER: 60/083500
;  PRIOR FILING DATE: 1998-04-29
;  PRIOR APPLICATION NUMBER: 60/083742
;  PRIOR FILING DATE: 1998-04-30
;  PRIOR APPLICATION NUMBER: 60/084366
;  PRIOR FILING DATE: 1998-05-05
;  PRIOR APPLICATION NUMBER: 60/084414
;  PRIOR FILING DATE: 1998-05-06
;  PRIOR APPLICATION NUMBER: 60/084441
;  PRIOR FILING DATE: 1998-05-06
;  PRIOR APPLICATION NUMBER: 60/084637
;  PRIOR FILING DATE: 1998-05-07
;  PRIOR APPLICATION NUMBER: 60/084639
;  PRIOR FILING DATE: 1998-05-07
;  PRIOR APPLICATION NUMBER: 60/084640
;  PRIOR FILING DATE: 1998-05-07
;  PRIOR APPLICATION NUMBER: 60/084598
;  PRIOR FILING DATE: 1998-05-07
;  PRIOR APPLICATION NUMBER: 60/084600
;  PRIOR FILING DATE: 1998-05-07
;  PRIOR APPLICATION NUMBER: 60/084627
;  PRIOR FILING DATE: 1998-05-07
;  PRIOR APPLICATION NUMBER: 60/084643
;  PRIOR FILING DATE: 1998-05-07
;  PRIOR APPLICATION NUMBER: 60/085339
;  PRIOR FILING DATE: 1998-05-13
;  PRIOR APPLICATION NUMBER: 60/085338
;  PRIOR FILING DATE: 1998-05-13
;  PRIOR APPLICATION NUMBER: 60/085323
;  PRIOR FILING DATE: 1998-05-13
;  PRIOR APPLICATION NUMBER: 60/085582
;  PRIOR FILING DATE: 1998-05-15
;  PRIOR APPLICATION NUMBER: 60/085700
;  PRIOR FILING DATE: 1998-05-15
;  PRIOR APPLICATION NUMBER: 60/085689
;  PRIOR FILING DATE: 1998-05-15
;  PRIOR APPLICATION NUMBER: 60/085579
;  PRIOR FILING DATE: 1998-05-15
;  PRIOR APPLICATION NUMBER: 60/085580
;  PRIOR FILING DATE: 1998-05-15
;  PRIOR APPLICATION NUMBER: 60/085573
;  PRIOR FILING DATE: 1998-05-15
;  PRIOR APPLICATION NUMBER: 60/085704
;  PRIOR FILING DATE: 1998-05-15
;  PRIOR APPLICATION NUMBER: 60/085697

  Query Match             1.0%;  Score 12;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 4.3e+02;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        692 TGGGCCAAGGGC 703
              ||||||||||||
Db          1 TGGGCCAAGGGC 12


RESULT 643
US-09-861-787-3/c
; Sequence 3, Application US/09861787
; Patent No. US20020045174A1
;   GENERAL INFORMATION:
;        APPLICANT: Virtanen, Jorma
;        TITLE OF INVENTION: Gene Sequencer and Methods
;        NUMBER OF SEQUENCES: 6
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Oppenheimer Wolff & Donnelly LLP
;             STREET: 2029 Century Park East, Suite 3800
;             CITY: Los Angeles
;             STATE: California
;             COUNTRY: USA
;             ZIP: 90067
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy Disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: Microsoft Windows 98
;             SOFTWARE: MS Word
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/861,787
;             FILING DATE: 21-May-2000
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: 09/564,399
;             FILING DATE: May 1, 2000
;             APPLICATION NUMBER: PCT/US/98/03362
;             FILING DATE: February 20, 1998
;             APPLICATION NUMBER: 60/039,027
;             FILING DATE: February 21, 1997
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Oldenkamp, David J.
;             REGISTRATION NUMBER: 29,421
;             REFERENCE/DOCKET NUMBER: 18950-62 (formerly 18950-23-1)
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: (310) 788-5000
;             TELEFAX: (310) 788-5100
;   INFORMATION FOR SEQ ID NO: 3:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 16
;             TYPE: nucleic acid
;             STRANDEDNESS: single-stranded DNA
;             TOPOLOGY: linear
;        MOLECULE TYPE: oligonucleotide
;        SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-09-861-787-3

  Query Match             1.0%;  Score 12;  DB 1;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 4.6e+02;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1560 AAATTTTTTTTA 1571
              ||||||||||||
Db         15 AAATTTTTTTTA 4


RESULT 644
US-10-287-919-1964/c
; Sequence 1964, Application US/10287919
; Publication No. US20030085830A1
; GENERAL INFORMATION:
;  APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
```

TITLE OF INVENTION: Methanococcus jannaschii complete genome.
FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
CURRENT APPLICATION NUMBER: US/10/287,919
CURRENT FILING DATE: 2002-11-05
NUMBER OF SEQ ID NOS: 2706
SOFTWARE: Proprietary
SEQ ID NO 1964
LENGTH: 16
TYPE: DNA
ORGANISM: Methanococcus jannaschii complete genome.
FEATURE:
LOCATION: (1177673)...(1177688)
OTHER INFORMATION: Chromosome = 1 Strand = negative ConnectronObjectNumber = 2506
S-10-287-919-1964

Query Match 1.0%; Score 12; DB 1; Length 16;
Best Local Similarity 100.0%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 913 TTTATTTCTAAG 924
||||||||||||
Db 13 TTTATTTCTAAG 2

ESULT 645
S-10-331-873-26
Sequence 26, Application US/10331873
Publication No. US20030129641A1
GENERAL INFORMATION:
APPLICANT: YANO, Hideo
APPLICANT: NISHIDA, Michio
APPLICANT: SUZUKI, Osamu
TITLE OF INVENTION: METHOD FOR DETERMINING BIOSPECIES CONTAINED IN
TITLE OF INVENTION: TEST SPECIMEN AND KIT USED FOR THE SAME
FILE REFERENCE: OP1414
CURRENT APPLICATION NUMBER: US/10/331,873
CURRENT FILING DATE: 2002-12-27
PRIOR APPLICATION NUMBER: JP 2001-396943
PRIOR FILING DATE: 2001-12-27
NUMBER OF SEQ ID NOS: 92
SOFTWARE: PatentIn Ver. 3.0
SEQ ID NO 26
LENGTH: 16
TYPE: DNA
ORGANISM: Ovis aries
FEATURE:
OTHER INFORMATION: capture
S-10-331-873-26

Query Match 1.0%; Score 12; DB 1; Length 16;
Best Local Similarity 100.0%; Pred. No. 4.6e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1598 AAGTAAATATGA 1609
||||||||||||
Db 5 AAGTAAATATGA 16

ESULT 646
S-10-238-700-1174/c
Sequence 1174, Application US/10238700
Publication No. US20030153521A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, James
TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Level
FILE REFERENCE: 400/057 (MBHB01-1158-A)
CURRENT APPLICATION NUMBER: US/10/238,700
CURRENT FILING DATE: 2002-09-18
PRIOR APPLICATION NUMBER: PCT/US 02/16840
PRIOR FILING DATE: 2002-05-29
PRIOR APPLICATION NUMBER: US 60/318,471
PRIOR FILING DATE: 2001-09-10
NUMBER OF SEQ ID NOS: 4666
SOFTWARE: PatentIn version 3.0
SEQ ID NO 1174
LENGTH: 17
TYPE: RNA
ORGANISM: Homo sapiens
US-10-238-700-1174

Query Match 1.0%; Score 12; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 4.8e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1609 AAACATTTAAAA 1620
||||||||||||
Db 14 AAACATTTAAAA 3

RESULT 647
US-09-866-108-7597
Sequence 7597, Application US/09866108
Patent No. US20020048800A1
GENERAL INFORMATION:
APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng
APPLICANT: SHANNON, Mark
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: AEOMICA-7
CURRENT APPLICATION NUMBER: US/09/866,108
CURRENT FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR FILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00662
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00661
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00670
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: US 60/234,687
PRIOR FILING DATE: 2000-09-21
PRIOR APPLICATION NUMBER: US 60/266,860
PRIOR FILING DATE: 2001-02-05
NUMBER OF SEQ ID NOS: 15752
SOFTWARE: Aeomica Sequence Listing Engine
SEQ ID NO 7597
LENGTH: 17
TYPE: DNA
ORGANISM: Homo sapiens
US-09-866-108-7597

Query Match 1.0%; Score 12; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 4.8e+02;

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  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        939 GCCACCATCTTA 950
              ||||||||||||
Db          6 GCCACCATCTTA 17


RESULT 648
US-09-866-108-7605
; Sequence 7605, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00662
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00661
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00670
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 60/234,687
;  PRIOR FILING DATE: 2000-09-21
;  PRIOR APPLICATION NUMBER: US 60/266,860
;  PRIOR FILING DATE: 2001-02-05
;  NUMBER OF SEQ ID NOS: 15752
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 7605
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-866-108-7605

  Query Match             1.0%;  Score 12;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 4.8e+02;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        942 ACCATCTTACCT 953
              ||||||||||||
Db          1 ACCATCTTACCT 12


RESULT 649
US-09-827-998-327/c
; Sequence 327, Application US/09827998
; Patent No. US20020102252A1
; GENERAL INFORMATION:
;  APPLICANT: Gu, Yizhong
;  APPLICANT:  Shannon, Mark
;  TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
;  FILE REFERENCE: MDhMORF-8
;  CURRENT APPLICATION NUMBER: US/09/827,998
;  CURRENT FILING DATE:  2001-04-06
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  NUMBER OF SEQ ID NOS: 1881
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 327
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-827-998-327

  Query Match             1.0%;  Score 12;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 4.8e+02;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1236 AATTTTCATTTC 1247
              ||||||||||||
Db         17 AATTTTCATTTC 6


RESULT 650
US-09-827-998-328/c
; Sequence 328, Application US/09827998
; Patent No. US20020102252A1
; GENERAL INFORMATION:
;  APPLICANT: Gu, Yizhong
;  APPLICANT:  Shannon, Mark
;  TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
;  FILE REFERENCE: MDhMORF-8
;  CURRENT APPLICATION NUMBER: US/09/827,998
;  CURRENT FILING DATE:  2001-04-06
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  NUMBER OF SEQ ID NOS: 1881
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 328
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-827-998-328

  Query Match             1.0%;  Score 12;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 4.8e+02;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1236 AATTTTCATTTC 1247
              ||||||||||||
Db         16 AATTTTCATTTC 5


RESULT 651
US-09-827-998-329/c
; Sequence 329, Application US/09827998
; Patent No. US20020102252A1
; GENERAL INFORMATION:
;  APPLICANT: Gu, Yizhong
;  APPLICANT:  Shannon, Mark
;  TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
;  FILE REFERENCE: MDhMORF-8
;  CURRENT APPLICATION NUMBER: US/09/827,998
;  CURRENT FILING DATE:  2001-04-06
;  PRIOR APPLICATION NUMBER: US 60/207,456
```

PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
NUMBER OF SEQ ID NOS: 1881
SOFTWARE: Aeomica Sequence Listing Engine
SEQ ID NO 329
LENGTH: 17
TYPE: DNA
ORGANISM: Homo sapiens
S-09-827-998-329

Query Match 1.0%; Score 12; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 4.8e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

y 1236 AATTTTCATTTC 1247
||||||||||||
b 15 AATTTTCATTTC 4

ESULT 652
S-09-827-998-330/c
Sequence 330, Application US/09827998
Patent No. US20020102252A1
GENERAL INFORMATION:
APPLICANT: Gu, Yizhong
APPLICANT: Shannon, Mark
TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
FILE REFERENCE: MDhMORF-8
CURRENT APPLICATION NUMBER: US/09/827,998
CURRENT FILING DATE: 2001-04-06
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
NUMBER OF SEQ ID NOS: 1881
SOFTWARE: Aeomica Sequence Listing Engine
SEQ ID NO 330
LENGTH: 17
TYPE: DNA
ORGANISM: Homo sapiens
S-09-827-998-330

Query Match 1.0%; Score 12; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 4.8e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

y 1236 AATTTTCATTTC 1247
||||||||||||
b 14 AATTTTCATTTC 3

ESULT 653
S-09-827-998-331/c
Sequence 331, Application US/09827998
Patent No. US20020102252A1
GENERAL INFORMATION:
APPLICANT: Gu, Yizhong
APPLICANT: Shannon, Mark
TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
FILE REFERENCE: MDhMORF-8
CURRENT APPLICATION NUMBER: US/09/827,998
CURRENT FILING DATE: 2001-04-06
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
NUMBER OF SEQ ID NOS: 1881
SOFTWARE: Aeomica Sequence Listing Engine
SEQ ID NO 331
LENGTH: 17
TYPE: DNA
ORGANISM: Homo sapiens
US-09-827-998-331

Query Match 1.0%; Score 12; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 4.8e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1236 AATTTTCATTTC 1247
||||||||||||
Db 13 AATTTTCATTTC 2

RESULT 654
US-09-827-998-332/c
; Sequence 332, Application US/09827998
; Patent No. US20020102252A1
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
; FILE REFERENCE: MDhMORF-8
; CURRENT APPLICATION NUMBER: US/09/827,998
; CURRENT FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 1881
; SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 332
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-827-998-332

Query Match 1.0%; Score 12; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 4.8e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1236 AATTTTCATTTC 1247
||||||||||||
Db 12 AATTTTCATTTC 1

RESULT 655
US-09-818-875-651/c
; Sequence 651, Application US/09818875
; Publication No. US20030051270A1
; GENERAL INFORMATION:
; APPLICANT: Kmiec, Eric B.
; APPLICANT: Gamper, Howard B.
; APPLICANT: Rice, Michael C.
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
; TITLE OF INVENTION: Stranded Oligonucleotides
; FILE REFERENCE: Napro-4
; CURRENT APPLICATION NUMBER: US/09/818,875
; CURRENT FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: US 60/192,176
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/192,179
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/208,538
; PRIOR FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/244,989
; PRIOR FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 4385
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 651
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-818-875-651

Query Match 1.0%; Score 12; DB 1; Length 17;

Best Local Similarity 100.0%; Pred. No. 4.8e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy       1293 TCTGAAATTTTA 1304
              ||||||||||||
Db         12 TCTGAAATTTTA 1
```

RESULT 656
US-09-818-875-652
; Sequence 652, Application US/09818875
; Publication No. US20030051270A1
; GENERAL INFORMATION:
; APPLICANT: Kmiec, Eric B.
; APPLICANT: Gamper, Howard B.
; APPLICANT: Rice, Michael C.
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
; TITLE OF INVENTION: Stranded Oligonucleotides
; FILE REFERENCE: Napro-4
; CURRENT APPLICATION NUMBER: US/09/818,875
; CURRENT FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: US 60/192,176
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/192,179
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/208,538
; PRIOR FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/244,989
; PRIOR FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 4385
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 652
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-818-875-652

Query Match 1.0%; Score 12; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 4.8e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy       1293 TCTGAAATTTTA 1304
              ||||||||||||
Db          6 TCTGAAATTTTA 17
```

RESULT 657
US-09-818-875-1934
; Sequence 1934, Application US/09818875
; Publication No. US20030051270A1
; GENERAL INFORMATION:
; APPLICANT: Kmiec, Eric B.
; APPLICANT: Gamper, Howard B.
; APPLICANT: Rice, Michael C.
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
; TITLE OF INVENTION: Stranded Oligonucleotides
; FILE REFERENCE: Napro-4
; CURRENT APPLICATION NUMBER: US/09/818,875
; CURRENT FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: US 60/192,176
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/192,179
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/208,538
; PRIOR FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/244,989
; PRIOR FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 4385
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 1934
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-818-875-1934

Query Match 1.0%; Score 12; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 4.8e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy        892 CCACTGTGCCTT 903
              ||||||||||||
Db          1 CCACTGTGCCTT 12
```

RESULT 658
US-09-818-875-1935/c
; Sequence 1935, Application US/09818875
; Publication No. US20030051270A1
; GENERAL INFORMATION:
; APPLICANT: Kmiec, Eric B.
; APPLICANT: Gamper, Howard B.
; APPLICANT: Rice, Michael C.
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
; TITLE OF INVENTION: Stranded Oligonucleotides
; FILE REFERENCE: Napro-4
; CURRENT APPLICATION NUMBER: US/09/818,875
; CURRENT FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: US 60/192,176
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/192,179
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/208,538
; PRIOR FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/244,989
; PRIOR FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 4385
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 1935
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-818-875-1935

Query Match 1.0%; Score 12; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 4.8e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy        892 CCACTGTGCCTT 903
              ||||||||||||
Db         17 CCACTGTGCCTT 6
```

RESULT 659
US-09-780-533A-118/c
; Sequence 118, Application US/09780533A
; Publication No. US20030060611A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; APPLICANT: Chowrira, Bharat
; APPLICANT: Haeberli, Pete
; TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Gene
; FILE REFERENCE: MBHB00,878-A (400/011)
; CURRENT APPLICATION NUMBER: US/09/780,533A
; CURRENT FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: US 60/181,797
; PRIOR FILING DATE: 2000-02-11
; NUMBER OF SEQ ID NOS: 6679
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 118
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-780-533A-118

```
 Query Match             1.0%;  Score 12;  DB 1;  Length 17;
 Best Local Similarity   100.0%;  Pred. No. 4.8e+02;
 Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

y        839 TCTGTTAAATCT 850
             ||||||||||||
b         16 TCTGTTAAATCT 5


ESULT 660
3-09-780-533A-119/c
 Sequence 119, Application US/09780533A
 Publication No. US20030060611A1
 GENERAL INFORMATION:
  APPLICANT: Ribozyme Pharmaceuticals, Inc.
  APPLICANT:  Blatt, Larry
  APPLICANT:  McSwiggen, Jim
  APPLICANT:  Chowrira, Bharat
  APPLICANT:  Haeberli, Pete
  TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Gene
  FILE REFERENCE: MBHB00,878-A (400/011)
  CURRENT APPLICATION NUMBER: US/09/780,533A
  CURRENT FILING DATE:  2001-02-09
  PRIOR APPLICATION NUMBER: US 60/181,797
  PRIOR FILING DATE: 2000-02-11
  NUMBER OF SEQ ID NOS: 6679
  SOFTWARE: PatentIn version 3.0
 SEQ ID NO 119
    LENGTH: 17
    TYPE: RNA
    ORGANISM: Homo sapiens
3-09-780-533A-119

 Query Match             1.0%;  Score 12;  DB 1;  Length 17;
 Best Local Similarity   100.0%;  Pred. No. 4.8e+02;
 Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

f        839 TCTGTTAAATCT 850
             ||||||||||||
o         15 TCTGTTAAATCT 4


ESULT 661
3-09-780-533A-120/c
 Sequence 120, Application US/09780533A
 Publication No. US20030060611A1
 GENERAL INFORMATION:
  APPLICANT: Ribozyme Pharmaceuticals, Inc.
  APPLICANT:  Blatt, Larry
  APPLICANT:  McSwiggen, Jim
  APPLICANT:  Chowrira, Bharat
  APPLICANT:  Haeberli, Pete
  TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Gene
  FILE REFERENCE: MBHB00,878-A (400/011)
  CURRENT APPLICATION NUMBER: US/09/780,533A
  CURRENT FILING DATE:  2001-02-09
  PRIOR APPLICATION NUMBER: US 60/181,797
  PRIOR FILING DATE: 2000-02-11
  NUMBER OF SEQ ID NOS: 6679
  SOFTWARE: PatentIn version 3.0
 SEQ ID NO 120
    LENGTH: 17
    TYPE: RNA
    ORGANISM: Homo sapiens
3-09-780-533A-120

 Query Match             1.0%;  Score 12;  DB 1;  Length 17;
 Best Local Similarity   100.0%;  Pred. No. 4.8e+02;
 Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

f        839 TCTGTTAAATCT 850
             ||||||||||||
o         14 TCTGTTAAATCT 3


RESULT 662
US-09-780-533A-237
; Sequence 237, Application US/09780533A
; Publication No. US20030060611A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Blatt, Larry
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Chowrira, Bharat
;  APPLICANT:  Haeberli, Pete
;  TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Gene
;  FILE REFERENCE: MBHB00,878-A (400/011)
;  CURRENT APPLICATION NUMBER: US/09/780,533A
;  CURRENT FILING DATE:  2001-02-09
;  PRIOR APPLICATION NUMBER: US 60/181,797
;  PRIOR FILING DATE: 2000-02-11
;  NUMBER OF SEQ ID NOS: 6679
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 237
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-780-533A-237

  Query Match             1.0%;  Score 12;  DB 1;  Length 17;
  Best Local Similarity   91.7%;  Pred. No. 4.8e+02;
  Matches   11;  Conservative    1;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1091 AAAAATAGAAGA 1102
              |||||:||||||
Db          3 AAAAAUAGAAGA 14


RESULT 663
US-09-780-533A-431
; Sequence 431, Application US/09780533A
; Publication No. US20030060611A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Blatt, Larry
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Chowrira, Bharat
;  APPLICANT:  Haeberli, Pete
;  TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Gene
;  FILE REFERENCE: MBHB00,878-A (400/011)
;  CURRENT APPLICATION NUMBER: US/09/780,533A
;  CURRENT FILING DATE:  2001-02-09
;  PRIOR APPLICATION NUMBER: US 60/181,797
;  PRIOR FILING DATE: 2000-02-11
;  NUMBER OF SEQ ID NOS: 6679
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 431
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-780-533A-431

  Query Match             1.0%;  Score 12;  DB 1;  Length 17;
  Best Local Similarity   41.7%;  Pred. No. 4.8e+02;
  Matches    5;  Conservative    7;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        913 TTTATTTCTAAG 924
              :::|:::|:|||
Db          4 UUUAUUUCUAAG 15


RESULT 664
US-09-780-533A-432
; Sequence 432, Application US/09780533A
; Publication No. US20030060611A1
; GENERAL INFORMATION:
```

```
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Blatt, Larry
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Chowrira, Bharat
;  APPLICANT:  Haeberli, Pete
;  TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Gene
;  FILE REFERENCE: MBHB00,878-A (400/011)
;  CURRENT APPLICATION NUMBER: US/09/780,533A
;  CURRENT FILING DATE:  2001-02-09
;  PRIOR APPLICATION NUMBER: US 60/181,797
;  PRIOR FILING DATE: 2000-02-11
;  NUMBER OF SEQ ID NOS: 6679
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 432
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
JS-09-780-533A-432

  Query Match             1.0%;  Score 12;  DB 1;  Length 17;
  Best Local Similarity   41.7%;  Pred. No. 4.8e+02;
  Matches    5;  Conservative    7;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        913 TTTATTTCTAAG 924
              :::|:::|:|||
Db          3 UUUAUUUCUAAG 14


RESULT 665
JS-09-780-533A-433
; Sequence 433, Application US/09780533A
; Publication No. US20030060611A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Blatt, Larry
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Chowrira, Bharat
;  APPLICANT:  Haeberli, Pete
;  TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Gene
;  FILE REFERENCE: MBHB00,878-A (400/011)
;  CURRENT APPLICATION NUMBER: US/09/780,533A
;  CURRENT FILING DATE:  2001-02-09
;  PRIOR APPLICATION NUMBER: US 60/181,797
;  PRIOR FILING DATE: 2000-02-11
;  NUMBER OF SEQ ID NOS: 6679
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 433
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-780-533A-433

  Query Match             1.0%;  Score 12;  DB 1;  Length 17;
  Best Local Similarity   41.7%;  Pred. No. 4.8e+02;
  Matches    5;  Conservative    7;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        913 TTTATTTCTAAG 924
              :::|:::|:|||
Db          2 UUUAUUUCUAAG 13


RESULT 666
US-09-780-533A-1300
; Sequence 1300, Application US/09780533A
; Publication No. US20030060611A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Blatt, Larry
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Chowrira, Bharat
;  APPLICANT:  Haeberli, Pete
;  TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Gene
;  FILE REFERENCE: MBHB00,878-A (400/011)
;  CURRENT APPLICATION NUMBER: US/09/780,533A
;  CURRENT FILING DATE:  2001-02-09
;  PRIOR APPLICATION NUMBER: US 60/181,797
;  PRIOR FILING DATE: 2000-02-11
;  NUMBER OF SEQ ID NOS: 6679
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1300
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-780-533A-1300

  Query Match             1.0%;  Score 12;  DB 1;  Length 17;
  Best Local Similarity   41.7%;  Pred. No. 4.8e+02;
  Matches    5;  Conservative    7;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        913 TTTATTTCTAAG 924
              :::|:::|:|||
Db          1 UUUAUUUCUAAG 12


RESULT 667
US-09-780-533A-2126/c
; Sequence 2126, Application US/09780533A
; Publication No. US20030060611A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Blatt, Larry
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Chowrira, Bharat
;  APPLICANT:  Haeberli, Pete
;  TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Gene
;  FILE REFERENCE: MBHB00,878-A (400/011)
;  CURRENT APPLICATION NUMBER: US/09/780,533A
;  CURRENT FILING DATE:  2001-02-09
;  PRIOR APPLICATION NUMBER: US 60/181,797
;  PRIOR FILING DATE: 2000-02-11
;  NUMBER OF SEQ ID NOS: 6679
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2126
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-780-533A-2126

  Query Match             1.0%;  Score 12;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 4.8e+02;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        839 TCTGTTAAATCT 850
              ||||||||||||
Db         13 TCTGTTAAATCT 2


RESULT 668
US-09-780-533A-2172
; Sequence 2172, Application US/09780533A
; Publication No. US20030060611A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Blatt, Larry
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Chowrira, Bharat
;  APPLICANT:  Haeberli, Pete
;  TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Gene
;  FILE REFERENCE: MBHB00,878-A (400/011)
;  CURRENT APPLICATION NUMBER: US/09/780,533A
;  CURRENT FILING DATE:  2001-02-09
;  PRIOR APPLICATION NUMBER: US 60/181,797
;  PRIOR FILING DATE: 2000-02-11
;  NUMBER OF SEQ ID NOS: 6679
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2172
```

LENGTH: 17
TYPE: RNA
ORGANISM: Homo sapiens
S-09-780-533A-2172

Query Match 1.0%; Score 12; DB 1; Length 17;
Best Local Similarity 91.7%; Pred. No. 4.8e+02;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

y 1091 AAAAATAGAAGA 1102
||||| ||||||
b 5 AAAAAUAGAAGA 16

ESULT 669
S-09-780-533A-2513
Sequence 2513, Application US/09780533A
Publication No. US20030060611A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Blatt, Larry
APPLICANT: McSwiggen, Jim
APPLICANT: Chowrira, Bharat
APPLICANT: Haeberli, Pete
TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Gene
FILE REFERENCE: MBHB00,878-A (400/011)
CURRENT APPLICATION NUMBER: US/09/780,533A
CURRENT FILING DATE: 2001-02-09
PRIOR APPLICATION NUMBER: US 60/181,797
PRIOR FILING DATE: 2000-02-11
NUMBER OF SEQ ID NOS: 6679
SOFTWARE: PatentIn version 3.0
SEQ ID NO 2513
LENGTH: 17
TYPE: RNA
ORGANISM: Homo sapiens
S-09-780-533A-2513

Query Match 1.0%; Score 12; DB 1; Length 17;
Best Local Similarity 91.7%; Pred. No. 4.8e+02;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

y 1091 AAAAATAGAAGA 1102
||||| ||||||
b 2 AAAAAUAGAAGA 13

ESULT 670
S-09-848-754A-196
Sequence 196, Application US/09848754A
Publication No. US20030073207A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
TITLE OF INVENTION: Levels of Epidermal Growth Factor Receptors
FILE REFERENCE: MBHB00-958-I (400/018)
CURRENT APPLICATION NUMBER: US/09/848,754A
CURRENT FILING DATE: 2001-05-03
NUMBER OF SEQ ID NOS: 9645
SOFTWARE: PatentIn version 3.0
SEQ ID NO 196
LENGTH: 17
TYPE: RNA
ORGANISM: Homo sapiens
S-09-848-754A-196

Query Match 1.0%; Score 12; DB 1; Length 17;
Best Local Similarity 66.7%; Pred. No. 4.8e+02;
Matches 8; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

y 723 TAATTTCAGGAA 734
:||:::|||||
b 5 UAAUUUCAGGAA 16

RESULT 671
US-09-848-754A-197
; Sequence 197, Application US/09848754A
; Publication No. US20030073207A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
; TITLE OF INVENTION: Levels of Epidermal Growth Factor Receptors
; FILE REFERENCE: MBHB00-958-I (400/018)
; CURRENT APPLICATION NUMBER: US/09/848,754A
; CURRENT FILING DATE: 2001-05-03
; NUMBER OF SEQ ID NOS: 9645
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 197
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-848-754A-197

Query Match 1.0%; Score 12; DB 1; Length 17;
Best Local Similarity 66.7%; Pred. No. 4.8e+02;
Matches 8; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

Qy 723 TAATTTCAGGAA 734
:||:::|||||
Db 4 UAAUUUCAGGAA 15

RESULT 672
US-09-848-754A-513
; Sequence 513, Application US/09848754A
; Publication No. US20030073207A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
; TITLE OF INVENTION: Levels of Epidermal Growth Factor Receptors
; FILE REFERENCE: MBHB00-958-I (400/018)
; CURRENT APPLICATION NUMBER: US/09/848,754A
; CURRENT FILING DATE: 2001-05-03
; NUMBER OF SEQ ID NOS: 9645
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 513
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-848-754A-513

Query Match 1.0%; Score 12; DB 1; Length 17;
Best Local Similarity 41.7%; Pred. No. 4.8e+02;
Matches 5; Conservative 7; Mismatches 0; Indels 0; Gaps 0;

Qy 550 AGTTTTTCATTG 561
||:::::||::|
Db 6 AGUUUUUCAUUG 17

RESULT 673
US-09-848-754A-713
; Sequence 713, Application US/09848754A
; Publication No. US20030073207A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
; TITLE OF INVENTION: Levels of Epidermal Growth Factor Receptors
; FILE REFERENCE: MBHB00-958-I (400/018)
; CURRENT APPLICATION NUMBER: US/09/848,754A
; CURRENT FILING DATE: 2001-05-03
; NUMBER OF SEQ ID NOS: 9645
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 713
; LENGTH: 17

```
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-848-754A-713

  Query Match             1.0%;  Score 12;  DB 1;  Length 17;
  Best Local Similarity   75.0%;  Pred. No. 4.8e+02;
  Matches    9;  Conservative    3;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1599 AGTAAATATGAA 1610
              ||:|||:|:|||
Db          6 AGUAAAUAUGAA 17


RESULT 674
US-09-740-332-2123/c
; Sequence 2123, Application US/09740332
; Publication No. US20030125270A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals Inc.
;  TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
;  TITLE OF INVENTION:  Hepatitis C Virus Infection
;  FILE REFERENCE: RPI 400/003
;  CURRENT APPLICATION NUMBER: US/09/740,332
;  CURRENT FILING DATE:  2001-03-26
;  NUMBER OF SEQ ID NOS: 9704
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2123
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: artificial sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION:
;   OTHER INFORMATION: oligonucleotide substrate
US-09-740-332-2123

  Query Match             1.0%;  Score 12;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 4.8e+02;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        494 TTGCCAGATGCA 505
              ||||||||||||
Db         17 TTGCCAGATGCA 6


RESULT 675
US-09-740-332-2124/c
; Sequence 2124, Application US/09740332
; Publication No. US20030125270A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals Inc.
;  TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
;  TITLE OF INVENTION:  Hepatitis C Virus Infection
;  FILE REFERENCE: RPI 400/003
;  CURRENT APPLICATION NUMBER: US/09/740,332
;  CURRENT FILING DATE:  2001-03-26
;  NUMBER OF SEQ ID NOS: 9704
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2124
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: artificial sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION:
;   OTHER INFORMATION: oligonucleotide substrate
US-09-740-332-2124

  Query Match             1.0%;  Score 12;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 4.8e+02;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        494 TTGCCAGATGCA 505
              ||||||||||||
Db         12 TTGCCAGATGCA 1


RESULT 676
US-09-740-332-2432
; Sequence 2432, Application US/09740332
; Publication No. US20030125270A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals Inc.
;  TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relat
;  TITLE OF INVENTION:  Hepatitis C Virus Infection
;  FILE REFERENCE: RPI 400/003
;  CURRENT APPLICATION NUMBER: US/09/740,332
;  CURRENT FILING DATE:  2001-03-26
;  NUMBER OF SEQ ID NOS: 9704
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2432
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: artificial sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION:
;   OTHER INFORMATION: oligonucleotide substrate
US-09-740-332-2432

  Query Match             1.0%;  Score 12;  DB 1;  Length 17;
  Best Local Similarity   75.0%;  Pred. No. 4.8e+02;
  Matches    9;  Conservative    3;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        494 TTGCCAGATGCA 505
              ::||||||:|||
Db          2 UUGCCAGAUGCA 13


RESULT 677
US-09-792-818-288
; Sequence 288, Application US/09792818
; Publication No. US20030134806A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Jarvis, Thale
;  APPLICANT:  Von Carlowitz, Ira
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Hamblin, Paul
;  APPLICANT:  Ellis, Jonathan
;  TITLE OF INVENTION: Method and Reagent for the Inhibition of Grb-2-related with Inse
;  TITLE OF INVENTION:  (GRID) Gene
;  FILE REFERENCE: MBHB00-901-A (400/013)
;  CURRENT APPLICATION NUMBER: US/09/792,818
;  CURRENT FILING DATE:  2001-02-23
;  NUMBER OF SEQ ID NOS: 2304
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 288
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-792-818-288

  Query Match             1.0%;  Score 12;  DB 1;  Length 17;
  Best Local Similarity   66.7%;  Pred. No. 4.8e+02;
  Matches    8;  Conservative    4;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        457 TTCAACACTTCA 468
              ::||||||::||
Db          6 UUCAACACUUCA 17


RESULT 678
US-09-792-818-688
; Sequence 688, Application US/09792818
; Publication No. US20030134806A1
```

```
GENERAL INFORMATION:
 APPLICANT: Ribozyme Pharmaceuticals, Inc.
 APPLICANT:  Jarvis, Thale
 APPLICANT:  Von Carlowitz, Ira
 APPLICANT:  McSwiggen, Jim
 APPLICANT:  Hamblin, Paul
 APPLICANT:  Ellis, Jonathan
 TITLE OF INVENTION: Method and Reagent for the Inhibition of Grb-2-related with Inser
 TITLE OF INVENTION:  (GRID) Gene
 FILE REFERENCE: MBHB00-901-A (400/013)
 CURRENT APPLICATION NUMBER: US/09/792,818
 CURRENT FILING DATE:  2001-02-23
 NUMBER OF SEQ ID NOS: 2304
 SOFTWARE: PatentIn version 3.0
SEQ ID NO 688
  LENGTH: 17
  TYPE: RNA
  ORGANISM: Homo sapiens
3-09-792-818-688

 Query Match             1.0%;  Score 12;  DB 1;  Length 17;
 Best Local Similarity   66.7%;  Pred. No. 4.8e+02;
 Matches    8;  Conservative    4;  Mismatches    0;  Indels    0;  Gaps    0;

r        457 TTCAACACTTCA 468
             ::||||||::||
o          5 UUCAACACUUCA 16


ESULT 679
S-10-238-700-105/c
 Sequence 105, Application US/10238700
 Publication No. US20030153521A1
 GENERAL INFORMATION:
  APPLICANT: Ribozyme Pharmaceuticals, Inc.
  APPLICANT:  McSwiggen, James
  TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Level
  FILE REFERENCE: 400/057  (MBHB01-1158-A)
  CURRENT APPLICATION NUMBER: US/10/238,700
  CURRENT FILING DATE:  2002-09-18
  PRIOR APPLICATION NUMBER: PCT/US 02/16840
  PRIOR FILING DATE: 2002-05-29
  PRIOR APPLICATION NUMBER: US 60/318,471
  PRIOR FILING DATE: 2001-09-10
  NUMBER OF SEQ ID NOS: 4666
  SOFTWARE: PatentIn version 3.0
 SEQ ID NO 105
   LENGTH: 17
   TYPE: RNA
   ORGANISM: Homo sapiens
S-10-238-700-105

 Query Match             1.0%;  Score 12;  DB 1;  Length 17;
 Best Local Similarity   100.0%;  Pred. No. 4.8e+02;
 Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

y        596 AGTATTATTTAT 607
             ||||||||||||
b         16 AGTATTATTTAT 5


ESULT 680
S-10-238-700-106/c
 Sequence 106, Application US/10238700
 Publication No. US20030153521A1
 GENERAL INFORMATION:
  APPLICANT: Ribozyme Pharmaceuticals, Inc.
  APPLICANT:  McSwiggen, James
  TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Level
  FILE REFERENCE: 400/057  (MBHB01-1158-A)
  CURRENT APPLICATION NUMBER: US/10/238,700
  CURRENT FILING DATE:  2002-09-18
  PRIOR APPLICATION NUMBER: PCT/US 02/16840
;  PRIOR FILING DATE: 2002-05-29
;  PRIOR APPLICATION NUMBER: US 60/318,471
;  PRIOR FILING DATE: 2001-09-10
;  NUMBER OF SEQ ID NOS: 4666
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 106
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-10-238-700-106

  Query Match             1.0%;  Score 12;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 4.8e+02;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        596 AGTATTATTTAT 607
              ||||||||||||
Db         13 AGTATTATTTAT 2


RESULT 681
US-10-238-700-1175/c
; Sequence 1175, Application US/10238700
; Publication No. US20030153521A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, James
;  TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Level
;  FILE REFERENCE: 400/057  (MBHB01-1158-A)
;  CURRENT APPLICATION NUMBER: US/10/238,700
;  CURRENT FILING DATE:  2002-09-18
;  PRIOR APPLICATION NUMBER: PCT/US 02/16840
;  PRIOR FILING DATE: 2002-05-29
;  PRIOR APPLICATION NUMBER: US 60/318,471
;  PRIOR FILING DATE: 2001-09-10
;  NUMBER OF SEQ ID NOS: 4666
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1175
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-10-238-700-1175

  Query Match             1.0%;  Score 12;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 4.8e+02;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1609 AAACATTTAAAA 1620
              ||||||||||||
Db         12 AAACATTTAAAA 1


RESULT 682
US-10-238-700-1293
; Sequence 1293, Application US/10238700
; Publication No. US20030153521A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  McSwiggen, James
;  TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Level
;  FILE REFERENCE: 400/057  (MBHB01-1158-A)
;  CURRENT APPLICATION NUMBER: US/10/238,700
;  CURRENT FILING DATE:  2002-09-18
;  PRIOR APPLICATION NUMBER: PCT/US 02/16840
;  PRIOR FILING DATE: 2002-05-29
;  PRIOR APPLICATION NUMBER: US 60/318,471
;  PRIOR FILING DATE: 2001-09-10
;  NUMBER OF SEQ ID NOS: 4666
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1293
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
```

US-10-238-700-1293

Query Match 1.0%; Score 12; DB 1; Length 17;
Best Local Similarity 58.3%; Pred. No. 4.8e+02;
Matches 7; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

```
Qy       1113 ATTGAATAGTTA 1124
              |::|||:|::|
Db          1 AUUGAAUAGUUA 12
```

RESULT 683
US-10-238-700-1314
; Sequence 1314, Application US/10238700
; Publication No. US20030153521A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Level
; FILE REFERENCE: 400/057 (MBHB01-1158-A)
; CURRENT APPLICATION NUMBER: US/10/238,700
; CURRENT FILING DATE: 2002-09-18
; PRIOR APPLICATION NUMBER: PCT/US 02/16840
; PRIOR FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: US 60/318,471
; PRIOR FILING DATE: 2001-09-10
; NUMBER OF SEQ ID NOS: 4666
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1314
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-238-700-1314

Query Match 1.0%; Score 12; DB 1; Length 17;
Best Local Similarity 25.0%; Pred. No. 4.8e+02;
Matches 3; Conservative 9; Mismatches 0; Indels 0; Gaps 0;

```
Qy        598 TATTATTTATTT 609
              :|::|:::|:::
Db          5 UAUUAUUUAUUU 16
```

RESULT 684
US-09-817-879-2123/c
; Sequence 2123, Application US/09817879
; Publication No. US20030171311A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
; TITLE OF INVENTION: Hepatitis C Virus Infection
; FILE REFERENCE: MBHB00-801-F
; CURRENT APPLICATION NUMBER: US/09/817,879
; CURRENT FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 9703
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2123
; LENGTH: 17
; TYPE: RNA
; ORGANISM: artificial sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
US-09-817-879-2123

Query Match 1.0%; Score 12; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 4.8e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy        494 TTGCCAGATGCA 505
              ||||||||||||
Db         17 TTGCCAGATGCA 6
```

RESULT 685
US-09-817-879-2124/c
; Sequence 2124, Application US/09817879
; Publication No. US20030171311A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relat
; TITLE OF INVENTION: Hepatitis C Virus Infection
; FILE REFERENCE: MBHB00-801-F
; CURRENT APPLICATION NUMBER: US/09/817,879
; CURRENT FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 9703
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2124
; LENGTH: 17
; TYPE: RNA
; ORGANISM: artificial sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
US-09-817-879-2124

Query Match 1.0%; Score 12; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 4.8e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy        494 TTGCCAGATGCA 505
              ||||||||||||
Db         12 TTGCCAGATGCA 1
```

RESULT 686
US-09-817-879-2432
; Sequence 2432, Application US/09817879
; Publication No. US20030171311A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relat
; TITLE OF INVENTION: Hepatitis C Virus Infection
; FILE REFERENCE: MBHB00-801-F
; CURRENT APPLICATION NUMBER: US/09/817,879
; CURRENT FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 9703
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2432
; LENGTH: 17
; TYPE: RNA
; ORGANISM: artificial sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
US-09-817-879-2432

Query Match 1.0%; Score 12; DB 1; Length 17;
Best Local Similarity 75.0%; Pred. No. 4.8e+02;
Matches 9; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

```
Qy        494 TTGCCAGATGCA 505
              ::|||||:|||
Db          2 UUGCCAGAUGCA 13
```

RESULT 687
US-10-091-281-130/c
; Sequence 130, Application US/10091281
; Publication No. US20030190617A1
; GENERAL INFORMATION:
; APPLICANT: RAYMOND, VINCENT
; APPLICANT: SI, ERWIN

APPLICANT: MORISETTE, JEAN
TITLE OF INVENTION: OPTINEURIN NUCLEIC ACID MOLECULES AND USES THEREOF
FILE REFERENCE: 13587.338
CURRENT APPLICATION NUMBER: US/10/091,281
CURRENT FILING DATE: 2002-03-06
NUMBER OF SEQ ID NOS: 463
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 130
LENGTH: 17
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
OTHER INFORMATION: Putative MEF2/RSRFC4.02 motif
S-10-091-281-130

Query Match 1.0%; Score 12; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 4.8e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

y 1521 TTTATATTTTTA 1532
||||||||||||
b 16 TTTATATTTTTA 5

ESULT 688
S-10-209-787-651/c
Sequence 651, Application US/10209787
Publication No. US20030217377A1
GENERAL INFORMATION:
APPLICANT: Kmiec, Eric B.
APPLICANT: Gamper, Howard B.
APPLICANT: Rice, Michael C.
TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
TITLE OF INVENTION: Stranded Oligonucleotides
FILE REFERENCE: Napro-4
CURRENT APPLICATION NUMBER: US/10/209,787
CURRENT FILING DATE: 2002-07-30
PRIOR APPLICATION NUMBER: US 09/818,875
PRIOR FILING DATE: 2001-03-27
PRIOR APPLICATION NUMBER: US 60/192,176
PRIOR FILING DATE: 2000-03-27
PRIOR APPLICATION NUMBER: US 60/192,179
PRIOR FILING DATE: 2000-03-27
PRIOR APPLICATION NUMBER: US 60/208,538
PRIOR FILING DATE: 2000-06-01
PRIOR APPLICATION NUMBER: US 60/244,989
PRIOR FILING DATE: 2000-10-30
NUMBER OF SEQ ID NOS: 4385
SOFTWARE: Friedman macro Napro4
SEQ ID NO 651
LENGTH: 17
TYPE: DNA
ORGANISM: Homo sapiens
S-10-209-787-651

Query Match 1.0%; Score 12; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 4.8e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

y 1293 TCTGAAATTTTA 1304
||||||||||||
b 12 TCTGAAATTTTA 1

ESULT 689
S-10-209-787-652
Sequence 652, Application US/10209787
Publication No. US20030217377A1
GENERAL INFORMATION:
APPLICANT: Kmiec, Eric B.
APPLICANT: Gamper, Howard B.
APPLICANT: Rice, Michael C.
TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single

; TITLE OF INVENTION: Stranded Oligonucleotides
; FILE REFERENCE: Napro-4
; CURRENT APPLICATION NUMBER: US/10/209,787
; CURRENT FILING DATE: 2002-07-30
; PRIOR APPLICATION NUMBER: US 09/818,875
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: US 60/192,176
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/192,179
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/208,538
; PRIOR FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/244,989
; PRIOR FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 4385
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 652
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-209-787-652

Query Match 1.0%; Score 12; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 4.8e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1293 TCTGAAATTTTA 1304
||||||||||||
Db 6 TCTGAAATTTTA 17

RESULT 690
US-10-209-787-1934
; Sequence 1934, Application US/10209787
; Publication No. US20030217377A1
; GENERAL INFORMATION:
; APPLICANT: Kmiec, Eric B.
; APPLICANT: Gamper, Howard B.
; APPLICANT: Rice, Michael C.
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
; TITLE OF INVENTION: Stranded Oligonucleotides
; FILE REFERENCE: Napro-4
; CURRENT APPLICATION NUMBER: US/10/209,787
; CURRENT FILING DATE: 2002-07-30
; PRIOR APPLICATION NUMBER: US 09/818,875
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: US 60/192,176
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/192,179
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/208,538
; PRIOR FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/244,989
; PRIOR FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 4385
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 1934
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-209-787-1934

Query Match 1.0%; Score 12; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 4.8e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 892 CCACTGTGCCTT 903
||||||||||||
Db 1 CCACTGTGCCTT 12

RESULT 691
US-10-209-787-1935/c

; Sequence 1935, Application US/10209787
; Publication No. US20030217377A1
; GENERAL INFORMATION:
; APPLICANT: Kmiec, Eric B.
; APPLICANT: Gamper, Howard B.
; APPLICANT: Rice, Michael C.
; TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
; TITLE OF INVENTION: Stranded Oligonucleotides
; FILE REFERENCE: Napro-4
; CURRENT APPLICATION NUMBER: US/10/209,787
; CURRENT FILING DATE: 2002-07-30
; PRIOR APPLICATION NUMBER: US 09/818,875
; PRIOR FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: US 60/192,176
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/192,179
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/208,538
; PRIOR FILING DATE: 2000-06-01
; PRIOR APPLICATION NUMBER: US 60/244,989
; PRIOR FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 4385
; SOFTWARE: Friedman macro Napro4
; SEQ ID NO 1935
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
JS-10-209-787-1935

Query Match 1.0%; Score 12; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 4.8e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 892 CCACTGTGCCTT 903
||||||||||||
Db 17 CCACTGTGCCTT 6

RESULT 692
JS-10-060-756A-1667/c
; Sequence 1667, Application US/10060756A
; Publication No. US20030046717A1
; GENERAL INFORMATION:
; APPLICANT: Zhang, Jian
; TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN
; FILE REFERENCE: PB0177
; CURRENT APPLICATION NUMBER: US/10/060,756A
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/327,898
; PRIOR FILING DATE: 2001-10-09
; NUMBER OF SEQ ID NOS: 4804
; SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 1667
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
JS-10-060-756A-1667

Query Match 1.0%; Score 12; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 4.8e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 680 AAATAGCAAAAT 691
||||||||||||
Db 17 AAATAGCAAAAT 6

RESULT 693
US-10-060-756A-1668/c
; Sequence 1668, Application US/10060756A
; Publication No. US20030046717A1
; GENERAL INFORMATION:
; APPLICANT: Zhang, Jian
; TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN
; FILE REFERENCE: PB0177
; CURRENT APPLICATION NUMBER: US/10/060,756A
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/327,898
; PRIOR FILING DATE: 2001-10-09
; NUMBER OF SEQ ID NOS: 4804
; SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 1668
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-060-756A-1668

Query Match 1.0%; Score 12; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 4.8e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 680 AAATAGCAAAAT 691
||||||||||||
Db 16 AAATAGCAAAAT 5

RESULT 694
US-10-060-756A-1743
; Sequence 1743, Application US/10060756A
; Publication No. US20030046717A1
; GENERAL INFORMATION:
; APPLICANT: Zhang, Jian
; TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN
; FILE REFERENCE: PB0177
; CURRENT APPLICATION NUMBER: US/10/060,756A
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: US 09/864,761
PRIOR FILING DATE: 2001-05-23
PRIOR APPLICATION NUMBER: US 60/327,898
PRIOR FILING DATE: 2001-10-09
NUMBER OF SEQ ID NOS: 4804
SOFTWARE: Aeomica Sequence Listing Engine
SEQ ID NO 1743
LENGTH: 17
TYPE: DNA
ORGANISM: Homo sapiens
S-10-060-756A-1743

Query Match 1.0%; Score 12; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 4.8e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

y 1442 TGCTGGTTGAAA 1453
||||||||||||
b 6 TGCTGGTTGAAA 17

ESULT 695
S-10-060-756A-1744
Sequence 1744, Application US/10060756A
Publication No. US20030046717A1
GENERAL INFORMATION:
APPLICANT: Zhang, Jian
TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN
FILE REFERENCE: PB0177
CURRENT APPLICATION NUMBER: US/10/060,756A
CURRENT FILING DATE: 2002-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: US 09/864,761
PRIOR FILING DATE: 2001-05-23
PRIOR APPLICATION NUMBER: US 60/327,898
PRIOR FILING DATE: 2001-10-09
NUMBER OF SEQ ID NOS: 4804
SOFTWARE: Aeomica Sequence Listing Engine
SEQ ID NO 1744
LENGTH: 17
TYPE: DNA
ORGANISM: Homo sapiens
S-10-060-756A-1744

Query Match 1.0%; Score 12; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 4.8e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

y 1442 TGCTGGTTGAAA 1453
||||||||||||
b 5 TGCTGGTTGAAA 16

ESULT 696
S-10-060-756A-1745
Sequence 1745, Application US/10060756A
Publication No. US20030046717A1
GENERAL INFORMATION:
APPLICANT: Zhang, Jian
TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN
FILE REFERENCE: PB0177
CURRENT APPLICATION NUMBER: US/10/060,756A
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/327,898
; PRIOR FILING DATE: 2001-10-09
; NUMBER OF SEQ ID NOS: 4804
; SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 1745
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-060-756A-1745

Query Match 1.0%; Score 12; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 4.8e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1442 TGCTGGTTGAAA 1453
||||||||||||
Db 4 TGCTGGTTGAAA 15

RESULT 697
US-10-060-756A-1746
; Sequence 1746, Application US/10060756A
; Publication No. US20030046717A1
; GENERAL INFORMATION:
; APPLICANT: Zhang, Jian
; TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN
; FILE REFERENCE: PB0177
; CURRENT APPLICATION NUMBER: US/10/060,756A
; CURRENT FILING DATE: 2002-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/327,898
; PRIOR FILING DATE: 2001-10-09
; NUMBER OF SEQ ID NOS: 4804
; SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 1746
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-060-756A-1746

Query Match 1.0%; Score 12; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 4.8e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1442 TGCTGGTTGAAA 1453

```
                    ||||||||||||
Db          3 TGCTGGTTGAAA 14


RESULT 698
US-10-060-756A-1747
; Sequence 1747, Application US/10060756A
; Publication No. US20030046717A1
; GENERAL INFORMATION:
;  APPLICANT: Zhang, Jian
;  TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN
;  FILE REFERENCE: PB0177
;  CURRENT APPLICATION NUMBER: US/10/060,756A
;  CURRENT FILING DATE:  2002-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 09/864,761
;  PRIOR FILING DATE: 2001-05-23
;  PRIOR APPLICATION NUMBER: US 60/327,898
;  PRIOR FILING DATE: 2001-10-09
;  NUMBER OF SEQ ID NOS: 4804
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 1747
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-060-756A-1747

  Query Match             1.0%;  Score 12;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 4.8e+02;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1442 TGCTGGTTGAAA 1453
                ||||||||||||
Db          2 TGCTGGTTGAAA 13


RESULT 699
US-10-060-756A-1748
; Sequence 1748, Application US/10060756A
; Publication No. US20030046717A1
; GENERAL INFORMATION:
;  APPLICANT: Zhang, Jian
;  TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN
;  FILE REFERENCE: PB0177
;  CURRENT APPLICATION NUMBER: US/10/060,756A
;  CURRENT FILING DATE:  2002-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: US 09/864,761
;  PRIOR FILING DATE: 2001-05-23
;  PRIOR APPLICATION NUMBER: US 60/327,898
;  PRIOR FILING DATE: 2001-10-09
;  NUMBER OF SEQ ID NOS: 4804
;  SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 1748
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-060-756A-1748

  Query Match             1.0%;  Score 12;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 4.8e+02;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1442 TGCTGGTTGAAA 1453
                ||||||||||||
Db          1 TGCTGGTTGAAA 12


RESULT 700
US-10-206-619-5/c
; Sequence 5, Application US/10206619
; Publication No. US20030108908A1
; GENERAL INFORMATION:
;  APPLICANT: Korea Research Institute of Bioscience and Biotechnology
;  APPLICANT:  Dong Kook Pharmaceutical Co.
;  APPLICANT:  Rhee, Sangki
;  APPLICANT:  Choi, Buisung
;  APPLICANT:  Kang, Hyunah
;  APPLICANT:  Sohn, Junghoon
;  APPLICANT:  Bae, Junghoon
;  APPLICANT:  Kim, Moowoong
;  APPLICANT:  Agaphonov, Michasel
;  TITLE OF INVENTION: Hansenula polymorpha mutants and process for the preparation of
;  TITLE OF INVENTION:  recombinant proteins using the same
;  FILE REFERENCE: 4220-116 US
;  CURRENT APPLICATION NUMBER: US/10/206,619
;  CURRENT FILING DATE:  2002-07-26
;  PRIOR APPLICATION NUMBER: US/09/674,617
;  PRIOR FILING DATE: 2001-01-03
;  PRIOR APPLICATION NUMBER: PCT/KR00/00173
;  PRIOR FILING DATE: 2000-03-04
;  NUMBER OF SEQ ID NOS: 9
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: PCR primer for S. cerevisiae PRC1 gene
US-10-206-619-5

  Query Match             1.0%;  Score 12;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 4.8e+02;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        903 TGGTTTCTCCTT 914
                ||||||||||||
Db         16 TGGTTTCTCCTT 5


RESULT 701
US-09-843-377-81
; Sequence 81, Application US/09843377
; Publication No. US20030176371A1
; GENERAL INFORMATION:
;  APPLICANT: C. Frank Bennett
;  APPLICANT:  Andrew T. Watt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF INTERFERON GAMMA RECEPTOR 2 EXPRESSION
;  FILE REFERENCE: RTS-0235
;  CURRENT APPLICATION NUMBER: US/09/843,377
;  CURRENT FILING DATE:  2001-04-26
;  NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 81
;   LENGTH: 20
```

TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Antisense Oligonucleotide
S-09-843-377-81

Query Match 1.0%; Score 12; DB 1; Length 20;
Best Local Similarity 75.0%; Pred. No. 5.3e+02;
Matches 15; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

y 820 TGGAAATCCTGGATTTTTTT 839
| ||||| ||||| ||| |
b 1 TAGAAATGCTGGAAGTTTCT 20

ESULT 702
S-09-504-231A-787
Sequence 787, Application US/09504231A
Patent No. US20020013458A1
GENERAL INFORMATION:
APPLICANT: Blatt, Lawrence
APPLICANT: McSwiggen, James
APPLICANT: Roberts, Beth
APPLICANT: Pavco, Pamela
APPLICANT: Macejak, Dennis
TITLE OF INVENTION: ENZYMATIC NUCLEIC ACID TREATMENT OF DISEASES OR CONDITIONS RELATE
TITLE OF INVENTION: HEPATITIS C VIRUS INFECTION
FILE REFERENCE: rpi 247/282
CURRENT APPLICATION NUMBER: US/09/504,231A
CURRENT FILING DATE: 2000-02-15
PRIOR APPLICATION NUMBER: 09/274,553
PRIOR FILING DATE: 1999-03-23
PRIOR APPLICATION NUMBER: 09/257,608
PRIOR FILING DATE: 1999-02-24
PRIOR APPLICATION NUMBER: 60/100,842
PRIOR FILING DATE: 1998-09-18
PRIOR APPLICATION NUMBER: 60/083,217
PRIOR FILING DATE: 1998-04-27
NUMBER OF SEQ ID NOS: 3242
SOFTWARE: PatentIn version 3.0
SEQ ID NO 787
LENGTH: 15
TYPE: RNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid Target
S-09-504-231A-787

Query Match 0.9%; Score 11.8; DB 1; Length 15;
Best Local Similarity 66.7%; Pred. No. 4.6e+02;
Matches 10; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

y 942 ACCATCTTACCTCAC 956
|||| :|::||| | |
b 1 ACCAUCUUACCCCGC 15

ESULT 703
S-09-274-553D-787
Sequence 787, Application US/09274553D
Patent No. US20020082225A1
GENERAL INFORMATION:
APPLICANT: Blatt, Lawrence
APPLICANT: McSwiggen, James
APPLICANT: Roberts, Beth
APPLICANT: Pavco, Pamela
APPLICANT: Macejak, Dennis
TITLE OF INVENTION: ENZYMATIC NUCLEIC ACID TREATMENT OF DISEASES OR CONDITIONS RELATE
TITLE OF INVENTION: HEPATITIS C VIRUS INFECTION
FILE REFERENCE: rpi 247/282
CURRENT APPLICATION NUMBER: US/09/274,553D
CURRENT FILING DATE: 1999-03-23
PRIOR APPLICATION NUMBER: 09/257,608
; PRIOR FILING DATE: 1999-02-24
; PRIOR APPLICATION NUMBER: 60/100,842
; PRIOR FILING DATE: 1998-09-18
; PRIOR APPLICATION NUMBER: 60/083,217
; PRIOR FILING DATE: 1998-04-27
; NUMBER OF SEQ ID NOS: 3148
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 787
; LENGTH: 15
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid Target
US-09-274-553D-787

Query Match 0.9%; Score 11.8; DB 1; Length 15;
Best Local Similarity 66.7%; Pred. No. 4.6e+02;
Matches 10; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

Qy 942 ACCATCTTACCTCAC 956
|||| :|::||| | |
Db 1 ACCAUCUUACCCCGC 15

RESULT 704
US-09-774-021-5/c
; Sequence 5, Application US/09774021
; Patent No. US20020102556A1
; GENERAL INFORMATION:
; APPLICANT: Laken, Steven J.
; APPLICANT: Kinzler, Kenneth W.
; APPLICANT: Vogelstein, Bert
; TITLE OF INVENTION: Genotyping by Mass Spectrometric Analysis of Short DNA
; TITLE OF INVENTION: Fragments
; FILE REFERENCE: 01107.73601
; CURRENT APPLICATION NUMBER: US/09/774,021
; CURRENT FILING DATE: 2001-01-31
; PRIOR APPLICATION NUMBER: 09/198,340
; PRIOR FILING DATE: 1998-11-24
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-774-021-5

Query Match 0.9%; Score 11.8; DB 1; Length 15;
Best Local Similarity 86.7%; Pred. No. 4.6e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 907 TTCTCCTTTATTTCT 921
|| || |||||||||
Db 15 TTTTCTTTTATTTCT 1

RESULT 705
US-10-330-772-50
; Sequence 50, Application US/10330772
; Publication No. US20030175772A1
; GENERAL INFORMATION:
; APPLICANT: ALLELE BIOTECHNOLOGY & PHARMACEUTICALS, INC.
; APPLICANT: WANG, Jiwu
; TITLE OF INVENTION: COMPOSITIONS FOR DNA MEDIATED GENE SILENCING
; FILE REFERENCE: ALLELE1100-3
; CURRENT APPLICATION NUMBER: US/10/330,772
; CURRENT FILING DATE: 2002-12-26
; PRIOR APPLICATION NUMBER: US 10/217,564
; PRIOR FILING DATE: 2002-08-12
; PRIOR APPLICATION NUMBER: US 10/202,479
; PRIOR FILING DATE: 2002-07-23
; PRIOR APPLICATION NUMBER: US 60/343,697
; PRIOR FILING DATE: 2001-12-27

```
;  NUMBER OF SEQ ID NOS: 51
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 50
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial sequence
;   FEATURE:
;   OTHER INFORMATION: Modified human RNA polymerase III terminator
US-10-330-772-50

  Query Match              0.9%;  Score 11.8;  DB 1;  Length 15;
  Best Local Similarity   86.7%;  Pred. No. 4.6e+02;
  Matches   13;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1566 TTTTTACTGTTTCTG 1580
                ||||||| |||| ||
Db          1 TTTTTACAGTTTTTG 15


RESULT 706
US-10-440-850-222/c
; Sequence 222, Application US/10440850
; Publication No. US20030207837A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Jarvis, Thale
;  APPLICANT:  McSwiggen, Jim
;  TITLE OF INVENTION: Method and Reagent for the Induction of Graft Tolerance and Rever
;  TITLE OF INVENTION:  Immune Responses
;  FILE REFERENCE: 250/130 (MBHB00-900-A)
;  CURRENT APPLICATION NUMBER: US/10/440,850
;  CURRENT FILING DATE:  2003-05-19
;  PRIOR APPLICATION NUMBER: US/09/650,012
;  PRIOR FILING DATE: 2000-08-28
;  PRIOR APPLICATION NUMBER: US 08/585,684
;  PRIOR FILING DATE: 1996-01-12
;  PRIOR APPLICATION NUMBER: US 60/000,951
;  PRIOR FILING DATE: 1995-07-07
;  PRIOR APPLICATION NUMBER: US 09/038,073
;  PRIOR FILING DATE: 1998-03-11
;  NUMBER OF SEQ ID NOS: 2285
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 222
;   LENGTH: 15
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-10-440-850-222

  Query Match              0.9%;  Score 11.8;  DB 1;  Length 15;
  Best Local Similarity   86.7%;  Pred. No. 4.6e+02;
  Matches   13;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1476 ATTCTTATAATATTA 1490
                || ||| ||||||||
Db         15 ATCCTTCTAATATTA 1


RESULT 707
US-10-440-850-585
; Sequence 585, Application US/10440850
; Publication No. US20030207837A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Jarvis, Thale
;  APPLICANT:  McSwiggen, Jim
;  TITLE OF INVENTION: Method and Reagent for the Induction of Graft Tolerance and Rever
;  TITLE OF INVENTION:  Immune Responses
;  FILE REFERENCE: 250/130 (MBHB00-900-A)
;  CURRENT APPLICATION NUMBER: US/10/440,850
;  CURRENT FILING DATE:  2003-05-19
;  PRIOR APPLICATION NUMBER: US/09/650,012
;  PRIOR FILING DATE: 2000-08-28
;  PRIOR APPLICATION NUMBER: US 08/585,684
;  PRIOR FILING DATE: 1996-01-12
;  PRIOR APPLICATION NUMBER: US 60/000,951
;  PRIOR FILING DATE: 1995-07-07
;  PRIOR APPLICATION NUMBER: US 09/038,073
;  PRIOR FILING DATE: 1998-03-11
;  NUMBER OF SEQ ID NOS: 2285
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 585
;   LENGTH: 15
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-10-440-850-585

  Query Match              0.9%;  Score 11.8;  DB 1;  Length 15;
  Best Local Similarity   46.7%;  Pred. No. 4.6e+02;
  Matches    7;  Conservative    6;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1577 TCTGATTGTATGGAA 1591
                :|: |:: :|:||||
Db          1 UCUAAUUCUAUGGAA 15


RESULT 708
US-10-440-850-586
; Sequence 586, Application US/10440850
; Publication No. US20030207837A1
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Jarvis, Thale
;  APPLICANT:  McSwiggen, Jim
;  TITLE OF INVENTION: Method and Reagent for the Induction of Graft Tolerance and Reve
;  TITLE OF INVENTION:  Immune Responses
;  FILE REFERENCE: 250/130 (MBHB00-900-A)
;  CURRENT APPLICATION NUMBER: US/10/440,850
;  CURRENT FILING DATE:  2003-05-19
;  PRIOR APPLICATION NUMBER: US/09/650,012
;  PRIOR FILING DATE: 2000-08-28
;  PRIOR APPLICATION NUMBER: US 08/585,684
;  PRIOR FILING DATE: 1996-01-12
;  PRIOR APPLICATION NUMBER: US 60/000,951
;  PRIOR FILING DATE: 1995-07-07
;  PRIOR APPLICATION NUMBER: US 09/038,073
;  PRIOR FILING DATE: 1998-03-11
;  NUMBER OF SEQ ID NOS: 2285
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 586
;   LENGTH: 15
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-10-440-850-586

  Query Match              0.9%;  Score 11.8;  DB 1;  Length 15;
  Best Local Similarity   46.7%;  Pred. No. 4.6e+02;
  Matches    7;  Conservative    6;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1579 TGATTGTATGGAAAT 1593
                : |:: :|:|||||:
Db          1 UAAUUCUAUGGAAAU 15


RESULT 709
US-10-287-919-209
; Sequence 209, Application US/10287919
; Publication No. US20030085830A1
; GENERAL INFORMATION:
;  APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
;  TITLE OF INVENTION: Methanococcus jannaschii complete genome.
;  FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
;  CURRENT APPLICATION NUMBER: US/10/287,919
;  CURRENT FILING DATE:  2002-11-05
```

NUMBER OF SEQ ID NOS: 2706
SOFTWARE: Proprietary
SEQ ID NO 209
LENGTH: 15
TYPE: DNA
ORGANISM: Methanococcus jannaschii complete genome.
FEATURE:
LOCATION: (53480)...(53494)
OTHER INFORMATION: Chromosome = 1 Strand = positive ConnectronObjectNumber = 246
-10-287-919-209

Query Match 0.9%; Score 11.8; DB 1; Length 15;
Best Local Similarity 86.7%; Pred. No. 4.6e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

1519 GCTTTATATTTTTAA 1533
1 GCTTTATCTTTTTCA 15

SULT 710
-10-287-919-568
Sequence 568, Application US/10287919
Publication No. US20030085830A1
GENERAL INFORMATION:
APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
TITLE OF INVENTION: Methanococcus jannaschii complete genome.
FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
CURRENT APPLICATION NUMBER: US/10/287,919
CURRENT FILING DATE: 2002-11-05
NUMBER OF SEQ ID NOS: 2706
SOFTWARE: Proprietary
SEQ ID NO 568
LENGTH: 15
TYPE: DNA
ORGANISM: Methanococcus jannaschii complete genome.
FEATURE:
LOCATION: (160280)...(160294)
OTHER INFORMATION: Chromosome = 1 Strand = negative ConnectronObjectNumber = 671
-10-287-919-568

Query Match 0.9%; Score 11.8; DB 1; Length 15;
Best Local Similarity 86.7%; Pred. No. 4.6e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

1519 GCTTTATATTTTTAA 1533
1 GCTTTATCTTTTTCA 15

SULT 711
-10-287-919-725/c
Sequence 725, Application US/10287919
Publication No. US20030085830A1
GENERAL INFORMATION:
APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
TITLE OF INVENTION: Methanococcus jannaschii complete genome.
FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
CURRENT APPLICATION NUMBER: US/10/287,919
CURRENT FILING DATE: 2002-11-05
NUMBER OF SEQ ID NOS: 2706
SOFTWARE: Proprietary
SEQ ID NO 725
LENGTH: 15
TYPE: DNA
ORGANISM: Methanococcus jannaschii complete genome.
FEATURE:
LOCATION: (238246)...(238260)
OTHER INFORMATION: Chromosome = 1 Strand = negative ConnectronObjectNumber = 872
-10-287-919-725

Query Match 0.9%; Score 11.8; DB 1; Length 15;
Best Local Similarity 86.7%; Pred. No. 4.6e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 678 ACAAATAGCAAAATT 692
Db 15 AAAAATAGCAAAGTT 1

RESULT 712
US-10-287-919-1125/c
; Sequence 1125, Application US/10287919
; Publication No. US20030085830A1
; GENERAL INFORMATION:
; APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
; TITLE OF INVENTION: Methanococcus jannaschii complete genome.
; FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
; CURRENT APPLICATION NUMBER: US/10/287,919
; CURRENT FILING DATE: 2002-11-05
; NUMBER OF SEQ ID NOS: 2706
; SOFTWARE: Proprietary
; SEQ ID NO 1125
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Methanococcus jannaschii complete genome.
; FEATURE:
; LOCATION: (503844)...(503858)
; OTHER INFORMATION: Chromosome = 1 Strand = positive ConnectronObjectNumber = 1375
US-10-287-919-1125

Query Match 0.9%; Score 11.8; DB 1; Length 15;
Best Local Similarity 86.7%; Pred. No. 4.6e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 678 ACAAATAGCAAAATT 692
Db 15 AAAAATAGCAAAGTT 1

RESULT 713
US-10-287-919-1300
; Sequence 1300, Application US/10287919
; Publication No. US20030085830A1
; GENERAL INFORMATION:
; APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
; TITLE OF INVENTION: Methanococcus jannaschii complete genome.
; FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
; CURRENT APPLICATION NUMBER: US/10/287,919
; CURRENT FILING DATE: 2002-11-05
; NUMBER OF SEQ ID NOS: 2706
; SOFTWARE: Proprietary
; SEQ ID NO 1300
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Methanococcus jannaschii complete genome.
; FEATURE:
; LOCATION: (616983)...(616997)
; OTHER INFORMATION: Chromosome = 1 Strand = positive ConnectronObjectNumber = 1609
US-10-287-919-1300

Query Match 0.9%; Score 11.8; DB 1; Length 15;
Best Local Similarity 86.7%; Pred. No. 4.6e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1199 TTTAGATTAAACAAA 1213
Db 1 TTTAGATTTATCAAA 15

RESULT 714
US-10-287-919-1612
; Sequence 1612, Application US/10287919
; Publication No. US20030085830A1
; GENERAL INFORMATION:
; APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.

```
;  TITLE OF INVENTION: Methanococcus jannaschii complete genome.
;  FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
;  CURRENT APPLICATION NUMBER: US/10/287,919
;  CURRENT FILING DATE:  2002-11-05
;  NUMBER OF SEQ ID NOS: 2706
;  SOFTWARE: Proprietary
; SEQ ID NO 1612
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Methanococcus jannaschii complete genome.
;   FEATURE:
;   LOCATION: (923144)...(923157)
;   OTHER INFORMATION: Chromosome = 1  Strand = positive  ConnectronObjectNumber =  2049
JS-10-287-919-1612

  Query Match             0.9%;  Score 11.8;  DB 1;  Length 15;
  Best Local Similarity   86.7%;  Pred. No. 4.6e+02;
  Matches   13;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        983 CACTTTAAGTTTTTT 997
              | |||| ||||||||
Db          1 CTCTTTTAGTTTTTT 15


RESULT 715
JS-10-287-919-1665/c
; Sequence 1665, Application US/10287919
; Publication No. US20030085830A1
; GENERAL INFORMATION:
;  APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
;  TITLE OF INVENTION: Methanococcus jannaschii complete genome.
;  FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
;  CURRENT APPLICATION NUMBER: US/10/287,919
;  CURRENT FILING DATE:  2002-11-05
;  NUMBER OF SEQ ID NOS: 2706
;  SOFTWARE: Proprietary
; SEQ ID NO 1665
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Methanococcus jannaschii complete genome.
;   FEATURE:
;   LOCATION: (986820)...(986834)
;   OTHER INFORMATION: Chromosome = 1  Strand = positive  ConnectronObjectNumber =  2123
JS-10-287-919-1665

  Query Match             0.9%;  Score 11.8;  DB 1;  Length 15;
  Best Local Similarity   86.7%;  Pred. No. 4.6e+02;
  Matches   13;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1523 TATATTTTTAACTTT 1537
              ||||  |||||||||
Db         15 TATAAGTTTAACTTT 1


RESULT 716
JS-10-287-919-1906
  Sequence 1906, Application US/10287919
  Publication No. US20030085830A1
  GENERAL INFORMATION:
   APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
   TITLE OF INVENTION: Methanococcus jannaschii complete genome.
   FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
   CURRENT APPLICATION NUMBER: US/10/287,919
   CURRENT FILING DATE:  2002-11-05
   NUMBER OF SEQ ID NOS: 2706
   SOFTWARE: Proprietary
  SEQ ID NO 1906
    LENGTH: 15
    TYPE: DNA
    ORGANISM: Methanococcus jannaschii complete genome.
    FEATURE:
    LOCATION: (1127538)...(1127552)
    OTHER INFORMATION: Chromosome = 1  Strand = negative  ConnectronObjectNumber =  2427
US-10-287-919-1906

  Query Match             0.9%;  Score 11.8;  DB 1;  Length 15;
  Best Local Similarity   86.7%;  Pred. No. 4.6e+02;
  Matches   13;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        983 CACTTTAAGTTTTTT 997
              | |||| ||||||||
Db          1 CTCTTTTAGTTTTTT 15


RESULT 717
US-10-287-919-1974/c
; Sequence 1974, Application US/10287919
; Publication No. US20030085830A1
; GENERAL INFORMATION:
;  APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
;  TITLE OF INVENTION: Methanococcus jannaschii complete genome.
;  FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
;  CURRENT APPLICATION NUMBER: US/10/287,919
;  CURRENT FILING DATE:  2002-11-05
;  NUMBER OF SEQ ID NOS: 2706
;  SOFTWARE: Proprietary
; SEQ ID NO 1974
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Methanococcus jannaschii complete genome.
;   FEATURE:
;   LOCATION: (1188666)...(1188679)
;   OTHER INFORMATION: Chromosome = 1  Strand = positive  ConnectronObjectNumber =  251
US-10-287-919-1974

  Query Match             0.9%;  Score 11.8;  DB 1;  Length 15;
  Best Local Similarity   86.7%;  Pred. No. 4.6e+02;
  Matches   13;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        820 TGGAAATCCTGGATT 834
              ||||| | |||||||
Db         15 TGGAATTACTGGATT 1


RESULT 718
US-10-287-919-1981
; Sequence 1981, Application US/10287919
; Publication No. US20030085830A1
; GENERAL INFORMATION:
;  APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
;  TITLE OF INVENTION: Methanococcus jannaschii complete genome.
;  FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
;  CURRENT APPLICATION NUMBER: US/10/287,919
;  CURRENT FILING DATE:  2002-11-05
;  NUMBER OF SEQ ID NOS: 2706
;  SOFTWARE: Proprietary
; SEQ ID NO 1981
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Methanococcus jannaschii complete genome.
;   FEATURE:
;   LOCATION: (1195757)...(1195771)
;   OTHER INFORMATION: Chromosome = 1  Strand = positive  ConnectronObjectNumber =  253
US-10-287-919-1981

  Query Match             0.9%;  Score 11.8;  DB 1;  Length 15;
  Best Local Similarity   86.7%;  Pred. No. 4.6e+02;
  Matches   13;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        679 CAAATAGCAAAATTG 693
              ||| || ||||||||
Db          1 CAATTAACAAAATTG 15


RESULT 719
US-10-287-919-2001/c
```

Sequence 2001, Application US/10287919
Publication No. US20030085830A1
GENERAL INFORMATION:
APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
TITLE OF INVENTION: Methanococcus jannaschii complete genome.
FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
CURRENT APPLICATION NUMBER: US/10/287,919
CURRENT FILING DATE: 2002-11-05
NUMBER OF SEQ ID NOS: 2706
SOFTWARE: Proprietary
SEQ ID NO 2001
LENGTH: 15
TYPE: DNA
ORGANISM: Methanococcus jannaschii complete genome.
FEATURE:
LOCATION: (1218107)...(1218122)
OTHER INFORMATION: Chromosome = 1 Strand = positive ConnectronObjectNumber = 2561
S-10-287-919-2001

Query Match 0.9%; Score 11.8; DB 1; Length 15;
Best Local Similarity 86.7%; Pred. No. 4.6e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

y 820 TGGAAATCCTGGATT 834
||||| | |||||||
b 15 TGGAATTACTGGATT 1

ESULT 720
S-10-287-919-2162
Sequence 2162, Application US/10287919
Publication No. US20030085830A1
GENERAL INFORMATION:
APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
TITLE OF INVENTION: Methanococcus jannaschii complete genome.
FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
CURRENT APPLICATION NUMBER: US/10/287,919
CURRENT FILING DATE: 2002-11-05
NUMBER OF SEQ ID NOS: 2706
SOFTWARE: Proprietary
SEQ ID NO 2162
LENGTH: 15
TYPE: DNA
ORGANISM: Methanococcus jannaschii complete genome.
FEATURE:
LOCATION: (1302249)...(1302263)
OTHER INFORMATION: Chromosome = 1 Strand = negative ConnectronObjectNumber = 2757
S-10-287-919-2162

Query Match 0.9%; Score 11.8; DB 1; Length 15;
Best Local Similarity 86.7%; Pred. No. 4.6e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

y 1104 GAATCATTGATTGAA 1118
||| |||| ||||||
b 1 GAACCATTTATTGAA 15

ESULT 721
S-10-287-919-2195
Sequence 2195, Application US/10287919
Publication No. US20030085830A1
GENERAL INFORMATION:
APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
TITLE OF INVENTION: Methanococcus jannaschii complete genome.
FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
CURRENT APPLICATION NUMBER: US/10/287,919
CURRENT FILING DATE: 2002-11-05
NUMBER OF SEQ ID NOS: 2706
SOFTWARE: Proprietary
SEQ ID NO 2195
LENGTH: 15
TYPE: DNA
; ORGANISM: Methanococcus jannaschii complete genome.
; FEATURE:
; LOCATION: (1352843)...(1352856)
; OTHER INFORMATION: Chromosome = 1 Strand = negative ConnectronObjectNumber = 2806
US-10-287-919-2195

Query Match 0.9%; Score 11.8; DB 1; Length 15;
Best Local Similarity 86.7%; Pred. No. 4.6e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1199 TTTAGATTAAACAAA 1213
||||||| | ||||
Db 1 TTTAGATTTATCAAA 15

RESULT 722
US-10-287-919-2198
; Sequence 2198, Application US/10287919
; Publication No. US20030085830A1
; GENERAL INFORMATION:
; APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
; TITLE OF INVENTION: Methanococcus jannaschii complete genome.
; FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
; CURRENT APPLICATION NUMBER: US/10/287,919
; CURRENT FILING DATE: 2002-11-05
; NUMBER OF SEQ ID NOS: 2706
; SOFTWARE: Proprietary
; SEQ ID NO 2198
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Methanococcus jannaschii complete genome.
; FEATURE:
; LOCATION: (1358513)...(1358527)
; OTHER INFORMATION: Chromosome = 1 Strand = negative ConnectronObjectNumber = 2809
US-10-287-919-2198

Query Match 0.9%; Score 11.8; DB 1; Length 15;
Best Local Similarity 86.7%; Pred. No. 4.6e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1104 GAATCATTGATTGAA 1118
||| |||| ||||||
Db 1 GAACCATTTATTGAA 15

RESULT 723
US-10-287-919-2278/c
; Sequence 2278, Application US/10287919
; Publication No. US20030085830A1
; GENERAL INFORMATION:
; APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
; TITLE OF INVENTION: Methanococcus jannaschii complete genome.
; FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
; CURRENT APPLICATION NUMBER: US/10/287,919
; CURRENT FILING DATE: 2002-11-05
; NUMBER OF SEQ ID NOS: 2706
; SOFTWARE: Proprietary
; SEQ ID NO 2278
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Methanococcus jannaschii complete genome.
; FEATURE:
; LOCATION: (1407382)...(1407396)
; OTHER INFORMATION: Chromosome = 1 Strand = positive ConnectronObjectNumber = 2912
US-10-287-919-2278

Query Match 0.9%; Score 11.8; DB 1; Length 15;
Best Local Similarity 86.7%; Pred. No. 4.6e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1523 TATATTTTTAACTTT 1537
|||| |||||||||
Db 15 TATAAGTTTAACTTT 1

```
RESULT 724
US-10-287-919-2620
; Sequence 2620, Application US/10287919
; Publication No. US20030085830A1
; GENERAL INFORMATION:
;  APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
;  TITLE OF INVENTION: Methanococcus jannaschii complete genome.
;  FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
;  CURRENT APPLICATION NUMBER: US/10/287,919
;  CURRENT FILING DATE:  2002-11-05
;  NUMBER OF SEQ ID NOS: 2706
;  SOFTWARE: Proprietary
; SEQ ID NO 2620
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Methanococcus jannaschii complete genome.
;   FEATURE:
;   LOCATION: (1596075)...(1596090)
;   OTHER INFORMATION: Chromosome = 1  Strand = positive  ConnectronObjectNumber =  3341
US-10-287-919-2620

  Query Match             0.9%;  Score 11.8;  DB 1;  Length 15;
  Best Local Similarity   86.7%;  Pred. No. 4.6e+02;
  Matches   13;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1057 TATTTAAGCATCAAA 1071
                ||||  ||||||  |||
Db          1 TATTAAAGCATTAAA 15


RESULT 725
US-09-823-847-37/c
; Sequence 37, Application US/09823847
; Patent No. US20020137905A1
; GENERAL INFORMATION:
;  APPLICANT: THE SCRIPPS RESEARCH INSTITUTE
;  APPLICANT:  SIMS, Peter
;  APPLICANT:  SILVERMAN, Robert
;  APPLICANT:  WIEDMER, Therese
;  TITLE OF INVENTION: PHOSPHOLIPID SCRAMBLASES AND METHODS OF USE THEREOF
;  FILE REFERENCE: SCRIP1220-1
;  CURRENT APPLICATION NUMBER: US/09/823,847
;  CURRENT FILING DATE:  2001-03-30
;  PRIOR APPLICATION NUMBER: US 60/193,939
;  PRIOR FILING DATE: 2000-03-31
;  NUMBER OF SEQ ID NOS: 45
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 37
;   LENGTH: 16
;   TYPE: DNA
;   ORGANISM: Artificial sequence
;   FEATURE:
;   OTHER INFORMATION: Human Scramblase Splice acceptor site 6
US-09-823-847-37

  Query Match             0.9%;  Score 11.8;  DB 1;  Length 16;
  Best Local Similarity   86.7%;  Pred. No. 4.9e+02;
  Matches   13;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        606 ATTTGAATCTACAAA 620
                ||||  |||||||||
Db         16 ATTTCTATCTACAAA 2


RESULT 726
US-09-263-959-544
; Sequence 544, Application US/09263959
; Patent No. US20020150891A1
;  GENERAL INFORMATION:
;    APPLICANT:  Hood, Leroy E.
;    APPLICANT:  Rowen, Lee
;    APPLICANT:  Koop, Ben F.
;    TITLE OF INVENTION:  DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH UTI
;    NUMBER OF SEQUENCES:  1279
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Seed and Berry LLP
;      STREET:  6300 Columbia Center, 701 Fifth Avenue
;      CITY:  Seattle
;      STATE:  Washington
;      COUNTRY:  US
;      ZIP:  98104-7092
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/263,959
;      FILING DATE:  05-MAR-1999
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  McMasters, David D.
;      REGISTRATION NUMBER:  33,963
;      REFERENCE/DOCKET NUMBER:  920010.426C2
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (206) 622-4900
;      TELEFAX:  (206) 682-6031
;  INFORMATION FOR SEQ ID NO:  544:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  16 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-09-263-959-544

  Query Match             0.9%;  Score 11.8;  DB 1;  Length 16;
  Best Local Similarity   86.7%;  Pred. No. 4.9e+02;
  Matches   13;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1045 TATTTATGTATTTAT 1059
                ||| |||||||| |||
Db          1 TATATATGTATATAT 15


RESULT 727
US-10-005-996A-2/c
; Sequence 2, Application US/10005996A
; Publication No. US20030165853A1
; GENERAL INFORMATION:
;  APPLICANT: PARDRIDGE, WILLIAM
;  APPLICANT:  BOADO, RUBEN
;  TITLE OF INVENTION: ANTISENSE IMAGING OF GENE EXPRESSION OF THE BRAIN IN VIVO
;  FILE REFERENCE: 407T-994110US
;  CURRENT APPLICATION NUMBER: US/10/005,996A
;  CURRENT FILING DATE:  2001-12-03
;  PRIOR APPLICATION NUMBER: US 60/250,990
;  PRIOR FILING DATE: 2000-12-04
;  NUMBER OF SEQ ID NOS: 5
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2
;   LENGTH: 16
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: HD-PNA
;   NAME/KEY: MOD_RES
;   LOCATION: (1)..(1)
;   OTHER INFORMATION: nucleotide modified with 5 linkers and a biotin
;   NAME/KEY: MOD_RES
;   LOCATION: (16)..(16)
;   OTHER INFORMATION: nucleotide modified with 5 linkers and -Y-K
US-10-005-996A-2

  Query Match             0.9%;  Score 11.8;  DB 1;  Length 16;
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Best Local Similarity 86.7%; Pred. No. 4.9e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1087 TTGGAAAAATAGAAG 1101
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Db 15 TTGGTAAAATGGAAG 1

RESULT 728
US-10-005-996A-3
Sequence 3, Application US/10005996A
Publication No. US20030165853A1
GENERAL INFORMATION:
APPLICANT: PARDRIDGE, WILLIAM
APPLICANT: BOADO, RUBEN
TITLE OF INVENTION: ANTISENSE IMAGING OF GENE EXPRESSION OF THE BRAIN IN VIVO
FILE REFERENCE: 407T-994110US
CURRENT APPLICATION NUMBER: US/10/005,996A
CURRENT FILING DATE: 2001-12-03
PRIOR APPLICATION NUMBER: US 60/250,990
PRIOR FILING DATE: 2000-12-04
NUMBER OF SEQ ID NOS: 5
SOFTWARE: PatentIn version 3.0
SEQ ID NO 3
LENGTH: 16
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: complement of HD target mRNA
US-10-005-996A-3

Query Match 0.9%; Score 11.8; DB 1; Length 16;
Best Local Similarity 86.7%; Pred. No. 4.9e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1087 TTGGAAAAATAGAAG 1101
||||| ||||| ||||
Db 2 TTGGTAAAATGGAAG 16

RESULT 729
US-10-005-996A-5/c
Sequence 5, Application US/10005996A
Publication No. US20030165853A1
GENERAL INFORMATION:
APPLICANT: PARDRIDGE, WILLIAM
APPLICANT: BOADO, RUBEN
TITLE OF INVENTION: ANTISENSE IMAGING OF GENE EXPRESSION OF THE BRAIN IN VIVO
FILE REFERENCE: 407T-994110US
CURRENT APPLICATION NUMBER: US/10/005,996A
CURRENT FILING DATE: 2001-12-03
PRIOR APPLICATION NUMBER: US 60/250,990
PRIOR FILING DATE: 2000-12-04
NUMBER OF SEQ ID NOS: 5
SOFTWARE: PatentIn version 3.0
SEQ ID NO 5
LENGTH: 16
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: anti-luciferase PNA
US-10-005-996A-5

Query Match 0.9%; Score 11.8; DB 1; Length 16;
Best Local Similarity 86.7%; Pred. No. 4.9e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1087 TTGGAAAAATAGAAG 1101
||||| ||||| ||||
Db 15 TTGGTAAAATGGAAG 1

RESULT 730
US-10-287-919-600
; Sequence 600, Application US/10287919
; Publication No. US20030085830A1
; GENERAL INFORMATION:
; APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
; TITLE OF INVENTION: Methanococcus jannaschii complete genome.
; FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
; CURRENT APPLICATION NUMBER: US/10/287,919
; CURRENT FILING DATE: 2002-11-05
; NUMBER OF SEQ ID NOS: 2706
; SOFTWARE: Proprietary
; SEQ ID NO 600
; LENGTH: 16
; TYPE: DNA
; ORGANISM: Methanococcus jannaschii complete genome.
; FEATURE:
; LOCATION: (179913)...(179928)
; OTHER INFORMATION: Chromosome = 1 Strand = positive ConnectronObjectNumber = 715
US-10-287-919-600

Query Match 0.9%; Score 11.8; DB 1; Length 16;
Best Local Similarity 86.7%; Pred. No. 4.9e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 617 CAAAAAACAACAAAT 631
|||||||||| | ||
Db 1 CAAAAAACAAAAGAT 15

RESULT 731
US-10-287-919-796
; Sequence 796, Application US/10287919
; Publication No. US20030085830A1
; GENERAL INFORMATION:
; APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
; TITLE OF INVENTION: Methanococcus jannaschii complete genome.
; FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
; CURRENT APPLICATION NUMBER: US/10/287,919
; CURRENT FILING DATE: 2002-11-05
; NUMBER OF SEQ ID NOS: 2706
; SOFTWARE: Proprietary
; SEQ ID NO 796
; LENGTH: 16
; TYPE: DNA
; ORGANISM: Methanococcus jannaschii complete genome.
; FEATURE:
; LOCATION: (315314)...(315328)
; OTHER INFORMATION: Chromosome = 1 Strand = positive ConnectronObjectNumber = 981
US-10-287-919-796

Query Match 0.9%; Score 11.8; DB 1; Length 16;
Best Local Similarity 86.7%; Pred. No. 4.9e+02;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 617 CAAAAAACAACAAAT 631
|||||||||| | ||
Db 1 CAAAAAACAAAAGAT 15

RESULT 732
US-10-287-919-1207
; Sequence 1207, Application US/10287919
; Publication No. US20030085830A1
; GENERAL INFORMATION:
; APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
; TITLE OF INVENTION: Methanococcus jannaschii complete genome.
; FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
; CURRENT APPLICATION NUMBER: US/10/287,919
; CURRENT FILING DATE: 2002-11-05
; NUMBER OF SEQ ID NOS: 2706
; SOFTWARE: Proprietary
; SEQ ID NO 1207
; LENGTH: 16

```
;   TYPE: DNA
;   ORGANISM: Methanococcus jannaschii complete genome.
;   FEATURE:
;   LOCATION: (543700)...(543714)
;   OTHER INFORMATION: Chromosome = 1  Strand = positive  ConnectronObjectNumber =  1482
US-10-287-919-1207

  Query Match             0.9%;  Score 11.8;  DB 1;  Length 16;
  Best Local Similarity   86.7%;  Pred. No. 4.9e+02;
  Matches   13;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1606 ATGAAACATTTAAAA 1620
             ||||||| |||| ||
Db          1 ATGAAACTTTTAGAA 15


RESULT 733
US-10-287-919-1444
; Sequence 1444, Application US/10287919
; Publication No. US20030085830A1
; GENERAL INFORMATION:
;  APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
;  TITLE OF INVENTION: Methanococcus jannaschii complete genome.
;  FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
;  CURRENT APPLICATION NUMBER: US/10/287,919
;  CURRENT FILING DATE:  2002-11-05
;  NUMBER OF SEQ ID NOS: 2706
;  SOFTWARE: Proprietary
; SEQ ID NO 1444
;   LENGTH: 16
;   TYPE: DNA
;   ORGANISM: Methanococcus jannaschii complete genome.
;   FEATURE:
;   LOCATION: (727071)...(727086)
;   OTHER INFORMATION: Chromosome = 1  Strand = negative  ConnectronObjectNumber =  1804
US-10-287-919-1444

  Query Match             0.9%;  Score 11.8;  DB 1;  Length 16;
  Best Local Similarity   86.7%;  Pred. No. 4.9e+02;
  Matches   13;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1575 TTTCTGATTGTATGG 1589
             ||||||||| ||| |
Db          2 TTTCTGATTTTATTG 16


RESULT 734
US-10-287-919-1529
; Sequence 1529, Application US/10287919
; Publication No. US20030085830A1
; GENERAL INFORMATION:
;  APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
;  TITLE OF INVENTION: Methanococcus jannaschii complete genome.
;  FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
;  CURRENT APPLICATION NUMBER: US/10/287,919
;  CURRENT FILING DATE:  2002-11-05
;  NUMBER OF SEQ ID NOS: 2706
;  SOFTWARE: Proprietary
; SEQ ID NO 1529
;   LENGTH: 16
;   TYPE: DNA
;   ORGANISM: Methanococcus jannaschii complete genome.
;   FEATURE:
;   LOCATION: (820797)...(820812)
;   OTHER INFORMATION: Chromosome = 1  Strand = negative  ConnectronObjectNumber =  1928
US-10-287-919-1529

  Query Match             0.9%;  Score 11.8;  DB 1;  Length 16;
  Best Local Similarity   86.7%;  Pred. No. 4.9e+02;
  Matches   13;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1575 TTTCTGATTGTATGG 1589
             ||||||||| ||| |
Db          2 TTTCTGATTTTATTG 16


RESULT 735
US-10-108-164-66
; Sequence 66, Application US/10108164
; Publication No. US20030104356A1
; GENERAL INFORMATION:
;  APPLICANT: Berger, Shelley L.
;  APPLICANT:  Fraser, Nigel W.
;  APPLICANT:  Tal-Singer, Ruth
;  APPLICANT:  Leary, Jeffrey J.
;  TITLE OF INVENTION: Compounds And Methods For Treating And
;  TITLE OF INVENTION:  Screening Viral Reactivation
;  FILE REFERENCE: P50682C1
;  CURRENT APPLICATION NUMBER: US/10/108,164
;  CURRENT FILING DATE:  2002-03-26
;  PRIOR APPLICATION NUMBER: 09/424,348
;  PRIOR FILING DATE: 1999-07-01
;  PRIOR APPLICATION NUMBER: PCT/US98/13733
;  PRIOR FILING DATE: 1998-07-01
;  PRIOR APPLICATION NUMBER: 60/051,633
;  PRIOR FILING DATE: 1997-07-03
;  PRIOR APPLICATION NUMBER: 60/054,515
;  PRIOR FILING DATE: 1997-08-01
;  PRIOR APPLICATION NUMBER: 60/080,352
;  PRIOR FILING DATE: 1998-04-01
;  NUMBER OF SEQ ID NOS: 145
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 66
;   LENGTH: 16
;   TYPE: DNA
;   ORGANISM: Herpes simplex virus
US-10-108-164-66

  Query Match             0.9%;  Score 11.8;  DB 1;  Length 16;
  Best Local Similarity   86.7%;  Pred. No. 4.9e+02;
  Matches   13;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        396 TTCATTCTCTGTGGT 410
              ||||||| || ||||
Db          1 TTCATTCACTTTGGT 15


RESULT 736
US-10-331-873-10
; Sequence 10, Application US/10331873
; Publication No. US20030129641A1
; GENERAL INFORMATION:
;  APPLICANT: YANO, Hideo
;  APPLICANT:  NISHIDA, Michio
;  APPLICANT:  SUZUKI, Osamu
;  TITLE OF INVENTION: METHOD FOR DETERMINING BIOSPECIES CONTAINED IN
;  TITLE OF INVENTION:  TEST SPECIMEN AND KIT USED FOR THE SAME
;  FILE REFERENCE: OP1414
;  CURRENT APPLICATION NUMBER: US/10/331,873
;  CURRENT FILING DATE:  2002-12-27
;  PRIOR APPLICATION NUMBER: JP 2001-396943
;  PRIOR FILING DATE: 2001-12-27
;  NUMBER OF SEQ ID NOS: 92
;  SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 10
;   LENGTH: 16
;   TYPE: DNA
;   ORGANISM: Bos taurs
;   FEATURE:
;   OTHER INFORMATION: capture
US-10-331-873-10

  Query Match             0.9%;  Score 11.8;  DB 1;  Length 16;
  Best Local Similarity   86.7%;  Pred. No. 4.9e+02;
  Matches   13;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;
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```
y        993 TTTTTCATCATAACA 1007
             ||| |||||||| ||
b          1 TTTATCATCATAGCA 15
```

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ob time : 14 secs

GenCore version 5.1.6
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M nucleic - nucleic search, using sw model

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(without alignments)
1.844 Million cell updates/sec

itle: us-09-960-143-3
erfect score: 1249
equence: 1 aaaaattcattctctgtggt.....atataatttgttgtcaaagt 1249

coring table: IDENTITY_NUC
Gapop 10.0 , Gapext 0.5

earched: 40 seqs, 738 residues

otal number of hits satisfying chosen parameters: 80

inimum DB seq length: 8
aximum DB seq length: 50

ost-processing: Minimum Match 0%
Maximum Match 100%
Listing first 56 summaries

atabase : rst.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

	esult No.	Score	% Query Match	Length	DB	ID	Description
	1	18.2	1.5	25	1	T80419	ACCESSION:T80419
	2	17.8	1.4	22	1	TA263E07Q	ACCESSION:AL488108
	3	17.4	1.4	24	1	AZ426151	ACCESSION:AZ426151
c	4	17.2	1.4	22	1	AZ462635	ACCESSION:AZ462635
	5	16.2	1.3	23	1	AZ435597	ACCESSION:AZ435597
	6	15.6	1.2	22	1	TA130G02P	ACCESSION:AL464119
c	7	15.2	1.2	20	1	AZ345435	ACCESSION:AZ345435
	8	14.8	1.2	20	1	AU255237	ACCESSION:AU255237
	9	14.2	1.1	19	1	AZ764511	ACCESSION:AZ764511
	10	14.2	1.1	19	1	AZ764517	ACCESSION:AZ764517
	11	14.2	1.1	19	1	AZ817185	ACCESSION:AZ817185
c	12	14.2	1.1	20	1	AZ489065	ACCESSION:AZ489065
	13	14.2	1.1	20	1	AZ506216	ACCESSION:AZ506216
c	14	14.2	1.1	20	1	AZ759840	ACCESSION:AZ759840
	15	14.2	1.1	20	1	AZ764514	ACCESSION:AZ764514
c	16	14.2	1.1	20	1	AZ773905	ACCESSION:AZ773905
c	17	14	1.1	19	1	AZ331082	ACCESSION:AZ331082
c	18	14	1.1	20	1	AZ411527	ACCESSION:AZ411527
	19	13.8	1.1	19	1	AZ309116	ACCESSION:AZ309116
	20	13.8	1.1	19	1	AZ514792	ACCESSION:AZ514792
	21	13.8	1.1	19	1	AZ663032	ACCESSION:AZ663032
c	22	13.6	1.1	23	1	AZ435597	ACCESSION:AZ435597
	23	13.4	1.1	17	1	AW247949	ACCESSION:AW247949
	24	13.4	1.1	19	1	AZ315768	ACCESSION:AZ315768
	25	13.2	1.1	18	1	C21365	ACCESSION:C21365
c	26	13.2	1.1	19	1	AZ764517	ACCESSION:AZ764517
	27	13	1.0	22	1	AZ462635	ACCESSION:AZ462635
c	28	12.8	1.0	17	1	AW248574	ACCESSION:AW248574
c	29	12.8	1.0	17	1	BQ591588	ACCESSION:BQ591588
c	30	12.8	1.0	19	1	AZ764511	ACCESSION:AZ764511
c	31	12.8	1.0	20	1	AZ506216	ACCESSION:AZ506216
c	32	12.8	1.0	20	1	AZ764514	ACCESSION:AZ764514
	33	12.8	1.0	20	1	AZ773905	ACCESSION:AZ773905
	34	12.4	1.0	14	1	BQ586463	ACCESSION:BQ586463
	35	12.4	1.0	17	1	AW246446	ACCESSION:AW246446
c	36	12.4	1.0	25	1	T80419	ACCESSION:T80419
	37	11.8	0.9	16	1	AI798250	ACCESSION:AI798250
c	38	11.8	0.9	19	1	AZ817185	ACCESSION:AZ817185
c	39	11.8	0.9	24	1	AZ426151	ACCESSION:AZ426151
	40	11.6	0.9	20	1	AZ345435	ACCESSION:AZ345435
c	41	11.4	0.9	13	1	AI016863	ACCESSION:AI016863
	42	11.4	0.9	16	1	AW250981	ACCESSION:AW250981
c	43	11.4	0.9	22	1	TA130G02P	ACCESSION:AL464119
c	44	11.2	0.9	16	1	BQ588093	ACCESSION:BQ588093
c	45	11.2	0.9	16	1	BQ590166	ACCESSION:BQ590166
c	46	11.2	0.9	16	1	BQ590207	ACCESSION:BQ590207
c	47	11.2	0.9	16	1	BQ590507	ACCESSION:BQ590507
	48	11.2	0.9	16	1	BQ592600	ACCESSION:BQ592600
c	49	11.2	0.9	16	1	BQ592965	ACCESSION:BQ592965
c	50	11.2	0.9	16	1	BQ595369	ACCESSION:BQ595369
	51	11.2	0.9	16	1	BQ595717	ACCESSION:BQ595717
c	52	11.2	0.9	17	1	AW247949	ACCESSION:AW247949
	53	11.2	0.9	17	1	AW248574	ACCESSION:AW248574
	54	11.2	0.9	20	1	AZ489065	ACCESSION:AZ489065
c	55	11	0.9	19	1	AZ663032	ACCESSION:AZ663032
	56	10.8	0.9	15	1	AW250976	ACCESSION:AW250976

ALIGNMENTS

RESULT 1
T80419
LOCUS T80419 25 bp mRNA linear EST 15-MAR-1995
DEFINITION yd17d11.s1 Soares fetal liver spleen 1NFLS Homo sapiens cDNA clone IMAGE:108501 3' similar to gb:M24902 PROSTATIC ACID PHOSPHATASE PRECURSOR (HUMAN);, mRNA sequence.
ACCESSION T80419
VERSION T80419.1 GI:698928
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1 (bases 1 to 25)
AUTHORS Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M., Holman,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M., Parsons,J., Rifkin,L., Rohlfing,T., Soares,M., Tan,F., Trevaskis,E., Waterston,R., Williamson,A., Wohldmann,P. and Wilson,R.
TITLE The WashU-Merck EST Project
JOURNAL Unpublished
COMMENT Other_ESTs: yd17d11.r1
Contact: Wilson RK
Washington University School of Medicine
4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1800
Fax: 314 286 1810
Email: est@watson.wustl.edu
Insert Size: 893
High quality sequence starts: 1 High quality sequence stops: 1
Source: IMAGE Consortium, LLNL This clone is available royalty-free through LLNL ; contact the IMAGE Consortium (info@image.llnl.gov) for further information. Trace considered overall poor quality
Insert Length: 893 Std Error: 0.00
Seq primer: -21m13
High quality sequence stop: 1.
FEATURES Location/Qualifiers
source 1. .25
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="GDB:464118"
/db_xref="taxon:9606"
/clone="IMAGE:108501"
/sex="male"
/dev_stage="20 week-post conception fetus"
/lab_host="DH10B (ampicillin resistant)"

/clone_lib="Soares fetal liver spleen 1NFLS"
/note="Organ: Liver and Spleen; Vector: pT7T3D (Pharmacia) with a modified polylinker; Site_1: Pac I; Site_2: Eco RI; 1st strand cDNA was primed with a Pac I - oligo(dT) primer [5' AACTGGAAGAATTAATTAAAGATCTTTTTTTTTTTTTTTTTT 3'], double-stranded cDNA was ligated to Eco RI adaptors (Pharmacia), digested with Pac I and cloned into the Pac I and Eco RI sites of the modified pT7T3 vector. Library went through one round of normalization. Library constructed by Bento Soares and M.Fatima Bonaldo."

BASE COUNT 7 a 0 c 0 g 18 t

Query Match 1.5%; Score 18.2; DB 1; Length 25;
Best Local Similarity 87.0%; Pred. No. 2.8;
Matches 20; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1040 TTTATTATTTATGTATTTATTTA 1062
||| |||||||| |||||||||
Db 3 TTATTTATTTATTTATTTATTTA 25

RESULT 2
TA263E07Q
LOCUS TA263E07Q 22 bp DNA linear GSS 13-DEC-2000
DEFINITION T. brucei sheared genomic DNA clone 263e07, reverse sequence, genomic survey sequence.
ACCESSION AL488108
VERSION AL488108.1 GI:11850822
KEYWORDS GSS.
SOURCE Trypanosoma brucei
ORGANISM Trypanosoma brucei
Eukaryota; Euglenozoa; Kinetoplastida; Trypanosomatidae; Trypanosoma.
REFERENCE 1 (bases 1 to 22)
AUTHORS Hall,N., Bowman,S., Lennard,N.J., Doggett,J., Atkin,R., Chillingworth,C., Ormond,D., Harris,B., El-Sayed,N., Hou,L., Melville,S.E., Rajandream,M.A. and Barrell,B.G.
TITLE Direct Submission
JOURNAL Submitted (10-DEC-2000) Trypanosoma brucei genome sequencing project, Sanger Centre, The Wellcome Trust Genome Campus, Hinxton, Cambridge CB10 1SA, E-mail: barrell@sanger.ac.uk and nh1@sanger.ac.uk
COMMENT Constructed at the Institute for Genomic Research (TIGR), Rockville, MD. Genomic DNA isolated from a cloned population of Trypanosoma brucei (TREU927/4 GUTat 10.1) was mechanically sheared to give a tight size distribution (
4 kb). The v + i method used for the library construction is described in detail in Smith, H. and Venter, J.C. (Making small insert libraries for whole genome shotgun sequencing projects. In Genome Sequencing: A Practical Approach, eds. M. Vaudin and B. Barrell, Oxford University Press, 1999).
Email: nelsayed@tigr.org
Details of T. brucei sequencing at the Sanger Centre are available at http://www.sanger.ac.uk/Projects/T_brucei/.
FEATURES Location/Qualifiers
source 1. .22
/organism="Trypanosoma brucei"
/mol_type="genomic DNA"
/strain="TREU927"
/db_xref="taxon:5691"
/clone="263e07"

BASE COUNT 13 a 5 c 3 g 1 t

Query Match 1.4%; Score 17.8; DB 1; Length 22;
Best Local Similarity 90.5%; Pred. No. 1.9;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1403 AAAACAGCCAAAACTCCACAG 1423
|||| |||||||||||| ||||
Db 1 AAAAAAGCCAAAACTCGACAG 21

RESULT 3

AZ426151
LOCUS AZ426151 24 bp DNA linear GSS 03-OCT-2000
DEFINITION 1M0206L01R Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC1M0206L01 R, genomic survey sequence.
ACCESSION AZ426151
VERSION AZ426151.1 GI:10550164
KEYWORDS GSS.
SOURCE Mus musculus (house mouse)
ORGANISM Mus musculus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE 1 (bases 1 to 24)
AUTHORS Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A. and Wright,D.,Weiss,R.
TITLE Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts
JOURNAL Unpublished
COMMENT Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT 84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0206 row: L column: 01
Seq primer: CACACAGGAAACAGCTATGACC
Class: plasmid ends
High quality sequence stop: 24.
FEATURES Location/Qualifiers
source 1. .24
/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC1M0206L01"
/sex="Male"
/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
/note="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."
BASE COUNT 11 a 0 c 2 g 11 t

Query Match 1.4%; Score 17.4; DB 1; Length 24;
Best Local Similarity 94.7%; Pred. No. 3.8;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 589 TATGTAAAGTATTATTTAT 607
||||||| |||||||||
Db 5 TATGTAAAATATTATTTAT 23

RESULT 4

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AZ462635/c
LOCUS       AZ462635                22 bp    DNA     linear   GSS 04-OCT-2000
DEFINITION  1M0269K11R Mouse 10kb plasmid UUGC1M library Mus musculus genomic
            clone UUGC1M0269K11 R, genomic survey sequence.
ACCESSION   AZ462635
VERSION     AZ462635.1  GI:10620676
KEYWORDS    GSS.
SOURCE      Mus musculus (house mouse)
  ORGANISM  Mus musculus
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE   1  (bases 1 to 22)
  AUTHORS   Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
            Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly
            ,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A.
            and Wright,D.,Weiss,R.
  TITLE     Mouse whole genome scaffolding with paired end reads from 10kb
            plasmid inserts
  JOURNAL   Unpublished
COMMENT     Contact: Robert B. Weiss
            University of Utah Genome Center
            University of Utah
            Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
            84112, USA
            Tel: 801 585 5606
            Fax: 801 585 7177
            Email: ddunn@genetics.utah.edu
            Insert Length: 10000   Std Error: 0.00
            Plate: 0269  row: K  column: 11
            Seq primer: CACACAGGAAACAGCTATGACC
            Class: plasmid ends
            High quality sequence stop: 22.
FEATURES             Location/Qualifiers
     source          1. .22
                     /organism="Mus musculus"
                     /mol_type="genomic DNA"
                     /strain="C57BL/6J"
                     /db_xref="taxon:10090"
                     /clone="UUGC1M0269K11"
                     /sex="Male"
                     /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
                     /clone_lib="Mouse 10kb plasmid UUGC1M library"
                     /note="Vector: PWD42nv; Purified genomic DNA from M.
                     musculus C57BL/6J (male) was obtained  from the Jackson
                     Laboratory Mouse DNA Resource
                     (http://www.jax.org/resources/documents/dnares/). The DNA
                     was hydrodynamically sheared by repeated passage through a
                     0.005 inch orifice at constant velocity. The sheared DNA
                     was blunt end-repaired with T4 DNA polymerase and T4
                     polynucleotide kinase. Adaptor oligonucleotides were
                     ligated to the blunt ends in high  molar excess. The
                     adaptored DNA was purified and size-selected for a 9.5 to
                     10.5 kb range using preparative agarose gel
                     electrophoresis. Vector DNA was prepared from a derivative
                     of pWD42 (gi|4732114|gb|AF129072.1), a copy-number
                     inducible derivative of plasmid R1. The vector was ligated
                     with adaptors complementary to the insert adaptors and
                     purified. The sheared, adaptored mouse DNA was annealed to
                     adaptored vector DNA, and transformed into
                     chemically-competent E. coli XL10-Gold (Stratagene) cells
                     and selected for ampicillin resistance."
ASE COUNT       12 a      4 c      0 g      6 t

 Query Match             1.4%;  Score 17.2;  DB 1;  Length 22;
 Best Local Similarity   86.4%;  Pred. No. 2.8;
 Matches   19;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

y       1043 ATTATTTATGTATTTATTTAAG 1064
             ||||||||||| ||||| |||
b         22 ATTATTTATGTTGTTATTGAAG 1

ESULT 5
```

```
AZ435597
LOCUS       AZ435597                23 bp    DNA     linear   GSS 03-OCT-2000
DEFINITION  1M0222P09R Mouse 10kb plasmid UUGC1M library Mus musculus genomic
            clone UUGC1M0222P09 R, genomic survey sequence.
ACCESSION   AZ435597
VERSION     AZ435597.1  GI:10559610
KEYWORDS    GSS.
SOURCE      Mus musculus (house mouse)
  ORGANISM  Mus musculus
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE   1  (bases 1 to 23)
  AUTHORS   Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
            Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly
            ,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A.
            and Wright,D.,Weiss,R.
  TITLE     Mouse whole genome scaffolding with paired end reads from 10kb
            plasmid inserts
  JOURNAL   Unpublished
COMMENT     Contact: Robert B. Weiss
            University of Utah Genome Center
            University of Utah
            Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
            84112, USA
            Tel: 801 585 5606
            Fax: 801 585 7177
            Email: ddunn@genetics.utah.edu
            Insert Length: 10000   Std Error: 0.00
            Plate: 0222  row: P  column: 09
            Seq primer: CACACAGGAAACAGCTATGACC
            Class: plasmid ends
            High quality sequence stop: 23.
FEATURES             Location/Qualifiers
     source          1. .23
                     /organism="Mus musculus"
                     /mol_type="genomic DNA"
                     /strain="C57BL/6J"
                     /db_xref="taxon:10090"
                     /clone="UUGC1M0222P09"
                     /sex="Male"
                     /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
                     /clone_lib="Mouse 10kb plasmid UUGC1M library"
                     /note="Vector: PWD42nv; Purified genomic DNA from M.
                     musculus C57BL/6J (male) was obtained  from the Jackson
                     Laboratory Mouse DNA Resource
                     (http://www.jax.org/resources/documents/dnares/). The DNA
                     was hydrodynamically sheared by repeated passage through a
                     0.005 inch orifice at constant velocity. The sheared DNA
                     was blunt end-repaired with T4 DNA polymerase and T4
                     polynucleotide kinase. Adaptor oligonucleotides were
                     ligated to the blunt ends in high  molar excess. The
                     adaptored DNA was purified and size-selected for a 9.5 to
                     10.5 kb range using preparative agarose gel
                     electrophoresis. Vector DNA was prepared from a derivative
                     of pWD42 (gi|4732114|gb|AF129072.1), a copy-number
                     inducible derivative of plasmid R1. The vector was ligated
                     with adaptors complementary to the insert adaptors and
                     purified. The sheared, adaptored mouse DNA was annealed to
                     adaptored vector DNA, and transformed into
                     chemically-competent E. coli XL10-Gold (Stratagene) cells
                     and selected for ampicillin resistance."
BASE COUNT      17 a      0 c      0 g      6 t

 Query Match             1.3%;  Score 16.2;  DB 1;  Length 23;
 Best Local Similarity   85.7%;  Pred. No. 6.6;
 Matches   18;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        618 AAAAAAACAACAAATAATTTTT 638
              |||||| || ||| |||||||
Db          2 AAAAAAAAAAAAAAAAATTTTT 22

RESULT 6
```

```
TA130G02P
LOCUS       TA130G02P                 22 bp    DNA     linear   GSS 13-DEC-2000
DEFINITION  T. brucei sheared genomic DNA clone 130g02, forward sequence,
            genomic survey sequence.
ACCESSION   AL464119
VERSION     AL464119.1  GI:11834382
KEYWORDS    GSS.
SOURCE      Trypanosoma brucei
  ORGANISM  Trypanosoma brucei
            Eukaryota; Euglenozoa; Kinetoplastida; Trypanosomatidae;
            Trypanosoma.
REFERENCE   1  (bases 1 to 22)
  AUTHORS   Hall,N., Bowman,S., Lennard,N.J., Doggett,J., Atkin,R.,
            Chillingworth,C., Ormond,D., Harris,B., El-Sayed,N., Hou,L.,
            Melville,S.E., Rajandream,M.A. and Barrell,B.G.
  TITLE     Direct Submission
  JOURNAL   Submitted (10-DEC-2000) Trypanosoma brucei genome sequencing
            project, Sanger Centre, The Wellcome Trust Genome Campus, Hinxton,
            Cambridge CB10 1SA, E-mail: barrell@sanger.ac.uk and
            nh1@sanger.ac.uk
COMMENT     Constructed at the Institute for Genomic Research (TIGR),
            Rockville, MD. Genomic DNA isolated from a cloned population of
            Trypanosoma brucei (TREU927/4 GUTat 10.1) was mechanically sheared
            to give a tight size distribution (
            4 kb).  The v + i method used for the library construction is
            described in detail in Smith, H. and Venter, J.C. (Making small
            insert libraries for whole genome shotgun sequencing projects.  In
            Genome Sequencing: A Practical Approach, eds. M. Vaudin and B.
            Barrell, Oxford University Press, 1999).
            Email: nelsayed@tigr.org
            Details of T. brucei sequencing at the Sanger Centre are available
            at http://www.sanger.ac.uk/Projects/T_brucei/.
FEATURES             Location/Qualifiers
     source          1. .22
                     /organism="Trypanosoma brucei"
                     /mol_type="genomic DNA"
                     /strain="TREU927"
                     /db_xref="taxon:5691"
                     /clone="130g02"
BASE COUNT       14 a      3 c      1 g      4 t

  Query Match             1.2%;  Score 15.6;  DB 1;  Length 22;
  Best Local Similarity   81.8%;  Pred. No. 7.8;
  Matches   18;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1603 AATATGAAACATTTAAAATATA 1624
              ||||  |||||| |||||| |
Db          1 AATACCAAACATTGAAAATAAA 22


RESULT 7
AZ345435/c
LOCUS       AZ345435                  20 bp    DNA     linear   GSS 29-SEP-2000
DEFINITION  1M0080E11F Mouse 10kb plasmid UUGC1M library Mus musculus genomic
            clone UUGC1M0080E11 F, genomic survey sequence.
ACCESSION   AZ345435
VERSION     AZ345435.1  GI:10424672
KEYWORDS    GSS.
SOURCE      Mus musculus (house mouse)
  ORGANISM  Mus musculus
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE   1  (bases 1 to 20)
  AUTHORS   Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
            Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly
            ,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A.
            and Wright,D.,Weiss,R.
  TITLE     Mouse whole genome scaffolding with paired end reads from 10kb
            plasmid inserts
  JOURNAL   Unpublished
COMMENT     Contact: Robert B. Weiss
            University of Utah Genome Center
            University of Utah
            Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
            84112, USA
            Tel: 801 585 5606
            Fax: 801 585 7177
            Email: ddunn@genetics.utah.edu
            Insert Length: 10000   Std Error: 0.00
            Plate: 0080  row: E  column: 11
            Seq primer: CGTTGTAAAACGACGGCCAGT
            Class: plasmid ends
            High quality sequence stop: 20.
FEATURES             Location/Qualifiers
     source          1. .20
                     /organism="Mus musculus"
                     /mol_type="genomic DNA"
                     /strain="C57BL/6J"
                     /db_xref="taxon:10090"
                     /clone="UUGC1M0080E11"
                     /sex="Male"
                     /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
                     /clone_lib="Mouse 10kb plasmid UUGC1M library"
                     /note="Vector: PWD42nv; Purified genomic DNA from M.
                     musculus C57BL/6J (male) was obtained  from the Jackson
                     Laboratory Mouse DNA Resource
                     (http://www.jax.org/resources/documents/dnares/). The DNA
                     was hydrodynamically sheared by repeated passage through a
                     0.005 inch orifice at constant velocity. The sheared DNA
                     was blunt end-repaired with T4 DNA polymerase and T4
                     polynucleotide kinase. Adaptor oligonucleotides were
                     ligated to the blunt ends in high  molar excess. The
                     adaptored DNA was purified and size-selected for a 9.5 to
                     10.5 kb range using preparative agarose gel
                     electrophoresis. Vector DNA was prepared from a derivative
                     of pWD42 (gi|4732114|gb|AF129072.1), a copy-number
                     inducible derivative of plasmid R1. The vector was ligated
                     with adaptors complementary to the insert adaptors and
                     purified. The sheared, adaptored mouse DNA was annealed to
                     adaptored vector DNA, and transformed into
                     chemically-competent E. coli XL10-Gold (Stratagene) cells
                     and selected for ampicillin resistance."
BASE COUNT       11 a      4 c      0 g      5 t

  Query Match             1.2%;  Score 15.2;  DB 1;  Length 20;
  Best Local Similarity   85.0%;  Pred. No. 6.4;
  Matches   17;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1045 TATTTATGTATTTATTTAAG 1064
              |||||||||  |||||  |||
Db         20 TATTTATGTTGTTATTGAAG 1


RESULT 8
AU255237
LOCUS       AU255237                  20 bp    mRNA    linear   EST 25-APR-2002
DEFINITION  AU255237 3'-directed mouse cDNA library Mus musculus cDNA clone
            BED0004881 3', mRNA sequence.
ACCESSION   AU255237
VERSION     AU255237.1  GI:20317784
KEYWORDS    EST.
SOURCE      Mus musculus (house mouse)
  ORGANISM  Mus musculus
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE   1  (bases 1 to 20)
  AUTHORS   Kato,K. and Matoba,R.
  TITLE     Generation of expressed sequence tags from mouse brain
  JOURNAL   Unpublished
COMMENT     Contact: Kikuya Kato
            Graduate School of Biological Sciences
            Nara Institute of Science and Technology
            8916-5 Takayama, Ikoma, Nara 630-0101, Japan
            Tel: 81-743-72-5581
            Fax: 81-743-72-5589
            Email: kkato@bs.aist-nara.ac.jp,
```

URL:http://love2.aist-nara.ac.jp/BED/index.html.
EATURES Location/Qualifiers
source 1. .20
/organism="Mus musculus"
/mol_type="mRNA"
/db_xref="taxon:10090"
/clone="BED0004881"
/tissue_type="brain"
/clone_lib="3'-directed mouse cDNA library"
ASE COUNT 13 a 2 c 2 g 2 t 1 others

Query Match 1.2%; Score 14.8; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 8.3;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

y 612 ATCTACAAAAAACAACAAA 630
||||| |||||| | ||||
b 2 ATCTAAAAAAAAGANCAAA 20

ESULT 9
Z764511
OCUS AZ764511 19 bp DNA linear GSS 16-FEB-2001
EFINITION 1M0560B08R Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC1M0560B08 R, genomic survey sequence.
CCESSION AZ764511
ERSION AZ764511.1 GI:12879549
EYWORDS GSS.
OURCE Mus musculus (house mouse)
ORGANISM Mus musculus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
EFERENCE 1 (bases 1 to 19)
AUTHORS Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly ,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A. and Wright,D.,Weiss,R.
TITLE Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts
JOURNAL Unpublished
OMMENT Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT 84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0560 row: B column: 08
Seq primer: CACACAGGAAACAGCTATGACC
Class: plasmid ends
High quality sequence stop: 19.
EATURES Location/Qualifiers
source 1. .19
/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC1M0560B08"
/sex="Male"
/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
/note="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."
BASE COUNT 13 a 0 c 0 g 6 t

Query Match 1.1%; Score 14.2; DB 1; Length 19;
Best Local Similarity 84.2%; Pred. No. 9.4;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1252 AAACAACAAATAATTTTTT 1270
||| || ||| |||||||||
Db 1 AAAAAAAAAAAAATTTTTT 19

RESULT 10
AZ764517
LOCUS AZ764517 19 bp DNA linear GSS 16-FEB-2001
DEFINITION 1M0560L07R Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC1M0560L07 R, genomic survey sequence.
ACCESSION AZ764517
VERSION AZ764517.1 GI:12879561
KEYWORDS GSS.
SOURCE Mus musculus (house mouse)
ORGANISM Mus musculus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE 1 (bases 1 to 19)
AUTHORS Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly ,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A. and Wright,D.,Weiss,R.
TITLE Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts
JOURNAL Unpublished
COMMENT Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT 84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0560 row: L column: 07
Seq primer: CACACAGGAAACAGCTATGACC
Class: plasmid ends
High quality sequence stop: 19.
FEATURES Location/Qualifiers
source 1. .19
/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC1M0560L07"
/sex="Male"
/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
/note="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to

10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT 16 a 0 c 0 g 3 t

Query Match 1.1%; Score 14.2; DB 1; Length 19;
Best Local Similarity 84.2%; Pred. No. 9.4;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 618 AAAAAACAACAAATAATTT 636
|||||| || ||| |||||
Db 1 AAAAAAAAAAAAAAAATTT 19

RESULT 11
AZ817185
LOCUS AZ817185 19 bp DNA linear GSS 20-FEB-2001
DEFINITION 2M0086E19F Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC2M0086E19 F, genomic survey sequence.
ACCESSION AZ817185
VERSION AZ817185.1 GI:12987093
KEYWORDS GSS.
SOURCE Mus musculus (house mouse)
ORGANISM Mus musculus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE 1 (bases 1 to 19)
AUTHORS Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A. and Wright,D.,Weiss,R.
TITLE Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts
JOURNAL Unpublished
COMMENT Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT 84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0086 row: E column: 19
Seq primer: CGTTGTAAAACGACGGCCAGT
Class: plasmid ends
High quality sequence stop: 19.
FEATURES Location/Qualifiers
source 1. .19
/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC2M0086E19"
/sex="Male"
/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
/note="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to

10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT 8 a 0 c 0 g 11 t

Query Match 1.1%; Score 14.2; DB 1; Length 19;
Best Local Similarity 84.2%; Pred. No. 9.4;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1168 ATGTTTTATTAGATAAATT 1186
|| ||||||| |||||||
Db 1 ATATTTTATTTAATAAATT 19

RESULT 12
AZ489065/c
LOCUS AZ489065 20 bp DNA linear GSS 05-OCT-2000
DEFINITION 1M0319I10R Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC1M0319I10 R, genomic survey sequence.
ACCESSION AZ489065
VERSION AZ489065.1 GI:10658451
KEYWORDS GSS.
SOURCE Mus musculus (house mouse)
ORGANISM Mus musculus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE 1 (bases 1 to 20)
AUTHORS Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A. and Wright,D.,Weiss,R.
TITLE Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts
JOURNAL Unpublished
COMMENT Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT 84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0319 row: I column: 10
Seq primer: CACACAGGAAACAGCTATGACC
Class: plasmid ends
High quality sequence stop: 20.
FEATURES Location/Qualifiers
source 1. .20
/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC1M0319I10"
/sex="Male"
/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
/note="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to

10.5 kb range using preparative agarose gel
electrophoresis. Vector DNA was prepared from a derivative
of pWD42 (gi|4732114|gb|AF129072.1), a copy-number
inducible derivative of plasmid R1. The vector was ligated
with adaptors complementary to the insert adaptors and
purified. The sheared, adaptored mouse DNA was annealed to
adaptored vector DNA, and transformed into
chemically-competent E. coli XL10-Gold (Stratagene) cells
and selected for ampicillin resistance."
ASE COUNT 10 a 2 c 1 g 7 t

Query Match 1.1%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 12;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

y 1449 TGAAACTTGTTTATTATGT 1467
| |||||| |||| |||||
b 20 TTAAACTTATTTAATATGT 2

ESULT 13
Z506216
OCUS AZ506216 20 bp DNA linear GSS 05-OCT-2000
EFINITION 1M0347G11F Mouse 10kb plasmid UUGC1M library Mus musculus genomic
clone UUGC1M0347G11 F, genomic survey sequence.
CCESSION AZ506216
ERSION AZ506216.1 GI:10687532
EYWORDS GSS.
OURCE Mus musculus (house mouse)
ORGANISM Mus musculus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
EFERENCE 1 (bases 1 to 20)
AUTHORS Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly
,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A.
and Wright,D.,Weiss,R.
TITLE Mouse whole genome scaffolding with paired end reads from 10kb
plasmid inserts
JOURNAL Unpublished
OMMENT Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0347 row: G column: 11
Seq primer: CGTTGTAAAACGACGGCCAGT
Class: plasmid ends
High quality sequence stop: 20.
EATURES Location/Qualifiers
source 1. .20
/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC1M0347G11"
/sex="Male"
/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
/note="Vector: PWD42nv; Purified genomic DNA from M.
musculus C57BL/6J (male) was obtained from the Jackson
Laboratory Mouse DNA Resource
(http://www.jax.org/resources/documents/dnares/). The DNA
was hydrodynamically sheared by repeated passage through a
0.005 inch orifice at constant velocity. The sheared DNA
was blunt end-repaired with T4 DNA polymerase and T4
polynucleotide kinase. Adaptor oligonucleotides were
ligated to the blunt ends in high molar excess. The
adaptored DNA was purified and size-selected for a 9.5 to

10.5 kb range using preparative agarose gel
electrophoresis. Vector DNA was prepared from a derivative
of pWD42 (gi|4732114|gb|AF129072.1), a copy-number
inducible derivative of plasmid R1. The vector was ligated
with adaptors complementary to the insert adaptors and
purified. The sheared, adaptored mouse DNA was annealed to
adaptored vector DNA, and transformed into
chemically-competent E. coli XL10-Gold (Stratagene) cells
and selected for ampicillin resistance."
BASE COUNT 13 a 0 c 0 g 7 t

Query Match 1.1%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 12;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1252 AAACAACAAATAATTTTTT 1270
||| || ||| ||||||||
Db 1 AAAAAAAAAAAAATTTTTT 19

RESULT 14
AZ759840/c
LOCUS AZ759840 20 bp DNA linear GSS 16-FEB-2001
DEFINITION 1M0553B05F Mouse 10kb plasmid UUGC1M library Mus musculus genomic
clone UUGC1M0553B05 F, genomic survey sequence.
ACCESSION AZ759840
VERSION AZ759840.1 GI:12867038
KEYWORDS GSS.
SOURCE Mus musculus (house mouse)
ORGANISM Mus musculus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE 1 (bases 1 to 20)
AUTHORS Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly
,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A.
and Wright,D.,Weiss,R.
TITLE Mouse whole genome scaffolding with paired end reads from 10kb
plasmid inserts
JOURNAL Unpublished
COMMENT Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0553 row: B column: 05
Seq primer: CGTTGTAAAACGACGGCCAGT
Class: plasmid ends
High quality sequence stop: 20.
FEATURES Location/Qualifiers
source 1. .20
/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC1M0553B05"
/sex="Male"
/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
/note="Vector: PWD42nv; Purified genomic DNA from M.
musculus C57BL/6J (male) was obtained from the Jackson
Laboratory Mouse DNA Resource
(http://www.jax.org/resources/documents/dnares/). The DNA
was hydrodynamically sheared by repeated passage through a
0.005 inch orifice at constant velocity. The sheared DNA
was blunt end-repaired with T4 DNA polymerase and T4
polynucleotide kinase. Adaptor oligonucleotides were
ligated to the blunt ends in high molar excess. The
adaptored DNA was purified and size-selected for a 9.5 to

10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT 0 a 2 c 5 g 13 t

Query Match 1.1%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 12;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

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Qy       1207 AAACAAACAAACAATTGGG 1225
              ||||||||||||||  | |
Db         20 AAACAAACAAACAAACGCG 2
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RESULT 15
AZ764514
LOCUS AZ764514 20 bp DNA linear GSS 16-FEB-2001
DEFINITION 1M0560F09R Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC1M0560F09 R, genomic survey sequence.
ACCESSION AZ764514
VERSION AZ764514.1 GI:12879555
KEYWORDS GSS.
SOURCE Mus musculus (house mouse)
ORGANISM Mus musculus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE 1 (bases 1 to 20)
AUTHORS Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A. and Wright,D.,Weiss,R.
TITLE Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts
JOURNAL Unpublished
COMMENT Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT 84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0560 row: F column: 09
Seq primer: CACACAGGAAACAGCTATGACC
Class: plasmid ends
High quality sequence stop: 20.
FEATURES Location/Qualifiers
source 1. .20
/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC1M0560F09"
/sex="Male"
/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
/note="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to

10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT 13 a 0 c 0 g 7 t

Query Match 1.1%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 12;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

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Qy       1252 AAACAACAAATAATTTTTT 1270
              ||| || ||| ||||||||
Db          1 AAAAAAAAAAAAAATTTTT 19
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RESULT 16
AZ773905/c
LOCUS AZ773905 20 bp DNA linear GSS 16-FEB-2001
DEFINITION 2M0001C15R Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC2M0001C15 R, genomic survey sequence.
ACCESSION AZ773905
VERSION AZ773905.1 GI:12898761
KEYWORDS GSS.
SOURCE Mus musculus (house mouse)
ORGANISM Mus musculus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE 1 (bases 1 to 20)
AUTHORS Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A. and Wright,D.,Weiss,R.
TITLE Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts
JOURNAL Unpublished
COMMENT Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT 84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0001 row: C column: 15
Seq primer: CACACAGGAAACAGCTATGACC
Class: plasmid ends
High quality sequence stop: 20.
FEATURES Location/Qualifiers
source 1. .20
/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC2M0001C15"
/sex="Male"
/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
/note="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to

10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

ASE COUNT 7 a 0 c 0 g 13 t

Query Match 1.1%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 12;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

/ 1252 AAACAACAAATAATTTTTT 1270
||| || ||| ||||||||
) 20 AAAAAAAAAAAAATTTTTT 2

ESULT 17
Z331082/c
OCUS AZ331082 19 bp DNA linear GSS 29-SEP-2000
EFINITION 1M0056C13R Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC1M0056C13 R, genomic survey sequence.
CCESSION AZ331082
ERSION AZ331082.1 GI:10393262
EYWORDS GSS.
OURCE Mus musculus (house mouse)
ORGANISM Mus musculus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
EFERENCE 1 (bases 1 to 19)
AUTHORS Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A. and Wright,D.,Weiss,R.
TITLE Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts
JOURNAL Unpublished
OMMENT Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT 84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0056 row: C column: 13
Seq primer: CACACAGGAAACAGCTATGACC
Class: plasmid ends
High quality sequence stop: 19.
EATURES Location/Qualifiers
source 1. .19
/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC1M0056C13"
/sex="Male"
/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
/note="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to

10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT 12 a 3 c 0 g 4 t

Query Match 1.1%; Score 14; DB 1; Length 19;
Best Local Similarity 100.0%; Pred. No. 11;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1169 TGTTTTATTAGATA 1182
||||||||||||||
Db 14 TGTTTTATTAGATA 1

RESULT 18
AZ411527/c
LOCUS AZ411527 20 bp DNA linear GSS 03-OCT-2000
DEFINITION 1M0184D10R Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC1M0184D10 R, genomic survey sequence.
ACCESSION AZ411527
VERSION AZ411527.1 GI:10535540
KEYWORDS GSS.
SOURCE Mus musculus (house mouse)
ORGANISM Mus musculus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE 1 (bases 1 to 20)
AUTHORS Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A. and Wright,D.,Weiss,R.
TITLE Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts
JOURNAL Unpublished
COMMENT Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT 84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0184 row: D column: 10
Seq primer: CACACAGGAAACAGCTATGACC
Class: plasmid ends
High quality sequence stop: 20.
FEATURES Location/Qualifiers
source 1. .20
/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC1M0184D10"
/sex="Male"
/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
/note="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to

10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT 5 a 4 c 3 g 8 t

Query Match 1.1%; Score 14; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 13;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy       1464 ATGTACAAATAGAT 1477
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Db         16 ATGTACAAATAGAT 3
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RESULT 19
AZ309116
LOCUS AZ309116 19 bp DNA linear GSS 29-SEP-2000
DEFINITION 1M0012E23R Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC1M0012E23 R, genomic survey sequence.
ACCESSION AZ309116
VERSION AZ309116.1 GI:10349784
KEYWORDS GSS.
SOURCE Mus musculus (house mouse)
ORGANISM Mus musculus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE 1 (bases 1 to 19)
AUTHORS Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A. and Wright,D.,Weiss,R.
TITLE Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts
JOURNAL Unpublished
COMMENT Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT 84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0012 row: E column: 23
Seq primer: CACACAGGAAACAGCTATGACC
Class: plasmid ends
High quality sequence stop: 19.
FEATURES Location/Qualifiers
source 1. .19
/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC1M0012E23"
/sex="Male"
/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
/note="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to

10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT 5 a 8 c 0 g 6 t

Query Match 1.1%; Score 13.8; DB 1; Length 19;
Best Local Similarity 88.2%; Pred. No. 12;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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Qy        443 TCAAGCAAATCTACTTC 459
              || | ||||||||||||
Db          2 TCCACCAAATCTACTTC 18
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RESULT 20
AZ514792
LOCUS AZ514792 19 bp DNA linear GSS 05-OCT-2000
DEFINITION 1M0361B17R Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC1M0361B17 R, genomic survey sequence.
ACCESSION AZ514792
VERSION AZ514792.1 GI:10696108
KEYWORDS GSS.
SOURCE Mus musculus (house mouse)
ORGANISM Mus musculus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE 1 (bases 1 to 19)
AUTHORS Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A. and Wright,D.,Weiss,R.
TITLE Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts
JOURNAL Unpublished
COMMENT Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT 84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0361 row: B column: 17
Seq primer: CACACAGGAAACAGCTATGACC
Class: plasmid ends
High quality sequence stop: 19.
FEATURES Location/Qualifiers
source 1. .19
/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC1M0361B17"
/sex="Male"
/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
/note="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to

10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

ASE COUNT 15 a 1 c 1 g 2 t

Query Match 1.1%; Score 13.8; DB 1; Length 19;
Best Local Similarity 88.2%; Pred. No. 12;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

y 616 ACAAAAAACAACAAATA 632
| ||||||||| |||||
b 2 AAAAAAAACAAGAAATA 18

ESULT 21
Z663032
OCUS AZ663032 19 bp DNA linear GSS 14-DEC-2000
EFINITION 1M0542M22F Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC1M0542M22 F, genomic survey sequence.
CCESSION AZ663032
ERSION AZ663032.1 GI:11800178
EYWORDS GSS.
OURCE Mus musculus (house mouse)
ORGANISM Mus musculus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
EFERENCE 1 (bases 1 to 19)
AUTHORS Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A. and Wright,D.,Weiss,R.
TITLE Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts
JOURNAL Unpublished
OMMENT Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT 84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0542 row: M column: 22
Seq primer: CGTTGTAAAACGACGGCCAGT
Class: plasmid ends
High quality sequence stop: 19.
EATURES Location/Qualifiers
source 1. .19
/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC1M0542M22"
/sex="Male"
/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
/note="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to

10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT 5 a 3 c 1 g 10 t

Query Match 1.1%; Score 13.8; DB 1; Length 19;
Best Local Similarity 88.2%; Pred. No. 12;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1037 CTATTTATTATTTATGT 1053
|||| ||||||| ||||
Db 3 CTATCTATTATTCATGT 19

RESULT 22
AZ435597/c
LOCUS AZ435597 23 bp DNA linear GSS 03-OCT-2000
DEFINITION 1M0222P09R Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC1M0222P09 R, genomic survey sequence.
ACCESSION AZ435597
VERSION AZ435597.1 GI:10559610
KEYWORDS GSS.
SOURCE Mus musculus (house mouse)
ORGANISM Mus musculus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE 1 (bases 1 to 23)
AUTHORS Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A. and Wright,D.,Weiss,R.
TITLE Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts
JOURNAL Unpublished
COMMENT Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT 84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0222 row: P column: 09
Seq primer: CACACAGGAAACAGCTATGACC
Class: plasmid ends
High quality sequence stop: 23.
FEATURES Location/Qualifiers
source 1. .23
/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC1M0222P09"
/sex="Male"
/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
/note="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to

10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."
BASE COUNT 17 a 0 c 0 g 6 t

Query Match 1.1%; Score 13.6; DB 1; Length 23;
Best Local Similarity 80.0%; Pred. No. 29;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1560 AAATTTTTTTTACTGTTTCT 1579
||||||||||| | ||| |
Db 20 AAATTTTTTTTTTTTTTTTT 1

RESULT 23
AW247949
LOCUS AW247949 17 bp mRNA linear EST 07-JAN-2000
DEFINITION 2820605.3prime NIH_MGC_7 Homo sapiens cDNA clone IMAGE:2820605 3', mRNA sequence.
ACCESSION AW247949
VERSION AW247949.1 GI:6591037
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1 (bases 1 to 17)
AUTHORS NIH-MGC http://mgc.nci.nih.gov/.
TITLE National Institutes of Health, Mammalian Gene Collection (MGC)
JOURNAL Unpublished
COMMENT Other_ESTs: 2820605.5prime
Contact: Robert Strausberg, Ph.D.
Email: cgapbs-r@mail.nih.gov
Tissue Procurement: DCTD/DTP cDNA Library Preparation: Ling Hong/Rubin Laboratory cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL) DNA Sequencing by: Berkeley MGC sequencing project Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at: www-bio.llnl.gov/bbrp/image/image.html Base Calling / Quality Scores: PHRED from University of Washington Genome Center. Vector Trimming: cross_match from University of Washington Genome Center PHRAP suite. Poly-T Identification: patMatch.pl from Berkeley Drosophila Genome Project. University of Washington Genome Center: http://www.genome.washington.edu Low Quality Sequence: 0 contiguous PHRED high quality bases following vector sequence. Very Low Quality Sequence: Trace file contained 17 contiguous distinct peaks following vector sequence. Polyadenylation: Based upon the presence of a XhoI site followed by a run of 14 or more T residues at the beginning of the sequence, this cDNA insert was polyadenylated.
Plate: LLCM4 row: K column: 6.
FEATURES Location/Qualifiers
source 1. .17
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="IMAGE:2820605"
/tissue_type="small cell carcinoma"
/cell_line="MGC3"
/lab_host="DH10B (phage-resistant)"
/clone_lib="NIH_MGC_7"
/note="Organ: lung; Vector: pOTB7; Site_1: XhoI; Site_2: EcoRI; cDNA made by oligo-dT priming. Directionally cloned into EcoRI/XhoI sites using the following 5' adaptor: GGCACGAG(G). Size-selected >500bp for average insert size 1.8kb. Library constructed by Ling Hong in the laboratory of Gerald M. Rubin (University of California, Berkeley) using ZAP-cDNA synthesis kit (Stratagene) and Superscript II RT (Life Technologies)."
BASE COUNT 1 a 1 c 0 g 15 t

Query Match 1.1%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. No. 9.2;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1563 TTTTTTTTACTGTTT 1577
||||||||||| |||
Db 3 TTTTTTTTACTTTTT 17

RESULT 24
AZ315768
LOCUS AZ315768 19 bp DNA linear GSS 29-SEP-2000
DEFINITION 1M0033F01F Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC1M0033F01 F, genomic survey sequence.
ACCESSION AZ315768
VERSION AZ315768.1 GI:10362759
KEYWORDS GSS.
SOURCE Mus musculus (house mouse)
ORGANISM Mus musculus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE 1 (bases 1 to 19)
AUTHORS Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A. and Wright,D.,Weiss,R.
TITLE Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts
JOURNAL Unpublished
COMMENT Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT 84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0033 row: F column: 01
Seq primer: CGTTGTAAAACGACGGCCAGT
Class: plasmid ends
High quality sequence stop: 19.
FEATURES Location/Qualifiers
source 1. .19
/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC1M0033F01"
/sex="Male"
/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
/note="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells

```
                and selected for ampicillin resistance."
ASE COUNT       2 a      4 c      2 g     11 t

 Query Match             1.1%;  Score 13.4;  DB 1;  Length 19;
 Best Local Similarity   93.3%;  Pred. No. 15;
 Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

y        907 TTCTCCTTTATTTCT 921
             ||||||| |||||||
b          2 TTCTCCTGTATTTCT 16


ESULT 25
21365
OCUS        C21365                   18 bp    mRNA    linear   EST 31-DEC-2002
EFINITION   HUMGS0005154 Human adult (K.Okubo) Homo sapiens cDNA 3', mRNA
            sequence.
CCESSION    C21365
ERSION      C21365.1  GI:1622475
EYWORDS     EST.
OURCE       Homo sapiens (human)
 ORGANISM   Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
EFERENCE    1  (bases 1 to 18)
 AUTHORS    Okubo,K.
 TITLE      BodyMap; human gene expression database
 JOURNAL    Unpublished
OMMENT      Contact: Okubo,K.
            Institute for Molecular and Cellular Biol
            Osaka University
            1-3,Yamada-oka, Suita, Osaka Pref. 565, Japan
            Tel: 06-877-5111(ex.3315)
            Email: kousaku@imcb.osaka-u.ac.jp
            We are not submitting the same cDNA sequence redundantly to DDBJ
            since 1993. For the abundance information of clones with this
            sequence in this library and as well as in other 3'-directed
            libraries, see ' http://www.imcb.osaka- u.ac.jp/bodymap'. The
            sequences of the clones represented by this GS sequences is also
            found there.
EATURES             Location/Qualifiers
    source          1. .18
                    /organism="Homo sapiens"
                    /mol_type="mRNA"
                    /db_xref="taxon:9606"
                    /dev_stage="adult"
                    /clone_lib="Human adult (K.Okubo)"
                    /note="One or more human adult tissue"
ASE COUNT       4 a      3 c      1 g     10 t

 Query Match             1.1%;  Score 13.2;  DB 1;  Length 18;
 Best Local Similarity   83.3%;  Pred. No. 14;
 Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

y       1553 GCTCTCCAAATTTTTTTT 1570
             | ||| ||||| ||||||
b          1 GATCTTCAAATCTTTTTT 18


ESULT 26
Z764517/c
OCUS        AZ764517                 19 bp    DNA     linear   GSS 16-FEB-2001
EFINITION   1M0560L07R Mouse 10kb plasmid UUGC1M library Mus musculus genomic
            clone UUGC1M0560L07 R, genomic survey sequence.
CCESSION    AZ764517
ERSION      AZ764517.1  GI:12879561
EYWORDS     GSS.
OURCE       Mus musculus (house mouse)
 ORGANISM   Mus musculus
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
EFERENCE    1  (bases 1 to 19)
 AUTHORS    Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
            Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly
            ,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A.
            and Wright,D.,Weiss,R.
 TITLE      Mouse whole genome scaffolding with paired end reads from 10kb
            plasmid inserts
 JOURNAL    Unpublished
COMMENT     Contact: Robert B. Weiss
            University of Utah Genome Center
            University of Utah
            Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
            84112, USA
            Tel: 801 585 5606
            Fax: 801 585 7177
            Email: ddunn@genetics.utah.edu
            Insert Length: 10000   Std Error: 0.00
            Plate: 0560  row: L  column: 07
            Seq primer: CACACAGGAAACAGCTATGACC
            Class: plasmid ends
            High quality sequence stop: 19.
FEATURES            Location/Qualifiers
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                    /mol_type="genomic DNA"
                    /strain="C57BL/6J"
                    /db_xref="taxon:10090"
                    /clone="UUGC1M0560L07"
                    /sex="Male"
                    /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
                    /clone_lib="Mouse 10kb plasmid UUGC1M library"
                    /note="Vector: PWD42nv; Purified genomic DNA from M.
                    musculus C57BL/6J (male) was obtained  from the Jackson
                    Laboratory Mouse DNA Resource
                    (http://www.jax.org/resources/documents/dnares/). The DNA
                    was hydrodynamically sheared by repeated passage through a
                    0.005 inch orifice at constant velocity. The sheared DNA
                    was blunt end-repaired with T4 DNA polymerase and T4
                    polynucleotide kinase. Adaptor oligonucleotides were
                    ligated to the blunt ends in high  molar excess. The
                    adaptored DNA was purified and size-selected for a 9.5 to
                    10.5 kb range using preparative agarose gel
                    electrophoresis. Vector DNA was prepared from a derivative
                    of pWD42 (gi|4732114|gb|AF129072.1), a copy-number
                    inducible derivative of plasmid R1. The vector was ligated
                    with adaptors complementary to the insert adaptors and
                    purified. The sheared, adaptored mouse DNA was annealed to
                    adaptored vector DNA, and transformed into
                    chemically-competent E. coli XL10-Gold (Stratagene) cells
                    and selected for ampicillin resistance."
BASE COUNT      16 a      0 c      0 g      3 t

  Query Match             1.1%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 17;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1560 AAATTTTTTTTACTGTTT 1577
              ||||||||||  | |||
Db         19 AAATTTTTTTTTTTTTTT 2


RESULT 27
AZ462635
LOCUS       AZ462635                 22 bp    DNA     linear   GSS 04-OCT-2000
DEFINITION  1M0269K11R Mouse 10kb plasmid UUGC1M library Mus musculus genomic
            clone UUGC1M0269K11 R, genomic survey sequence.
ACCESSION   AZ462635
VERSION     AZ462635.1  GI:10620676
KEYWORDS    GSS.
SOURCE      Mus musculus (house mouse)
  ORGANISM  Mus musculus
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE   1  (bases 1 to 22)
  AUTHORS   Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
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            Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly
            ,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A.
            and Wright,D.,Weiss,R.
  TITLE     Mouse whole genome scaffolding with paired end reads from 10kb
            plasmid inserts
  JOURNAL   Unpublished
COMMENT     Contact: Robert B. Weiss
            University of Utah Genome Center
            University of Utah
            Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
            84112, USA
            Tel: 801 585 5606
            Fax: 801 585 7177
            Email: ddunn@genetics.utah.edu
            Insert Length: 10000   Std Error: 0.00
            Plate: 0269  row: K  column: 11
            Seq primer: CACACAGGAAACAGCTATGACC
            Class: plasmid ends
            High quality sequence stop: 22.
FEATURES             Location/Qualifiers
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                     /organism="Mus musculus"
                     /mol_type="genomic DNA"
                     /strain="C57BL/6J"
                     /db_xref="taxon:10090"
                     /clone="UUGC1M0269K11"
                     /sex="Male"
                     /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
                     /clone_lib="Mouse 10kb plasmid UUGC1M library"
                     /note="Vector: PWD42nv; Purified genomic DNA from M.
                     musculus C57BL/6J (male) was obtained  from the Jackson
                     Laboratory Mouse DNA Resource
                     (http://www.jax.org/resources/documents/dnares/). The DNA
                     was hydrodynamically sheared by repeated passage through a
                     0.005 inch orifice at constant velocity. The sheared DNA
                     was blunt end-repaired with T4 DNA polymerase and T4
                     polynucleotide kinase. Adaptor oligonucleotides were
                     ligated to the blunt ends in high  molar excess. The
                     adaptored DNA was purified and size-selected for a 9.5 to
                     10.5 kb range using preparative agarose gel
                     electrophoresis. Vector DNA was prepared from a derivative
                     of pWD42 (gi|4732114|gb|AF129072.1), a copy-number
                     inducible derivative of plasmid R1. The vector was ligated
                     with adaptors complementary to the insert adaptors and
                     purified. The sheared, adaptored mouse DNA was annealed to
                     adaptored vector DNA, and transformed into
                     chemically-competent E. coli XL10-Gold (Stratagene) cells
                     and selected for ampicillin resistance."
BASE COUNT        12 a      4 c      0 g      6 t

  Query Match             1.0%;  Score 13;  DB 1;  Length 22;
  Best Local Similarity   76.2%;  Pred. No. 34;
  Matches   16;  Conservative    0;  Mismatches    5;  Indels    0;  Gaps    0;

Qy        995 TTTCATCATAACATAAATTAT 1015
              ||  || | |||||||||| ||
Db          2 TTCAATAACAACATAAATAAT 22


RESULT 28
AW248574/c
LOCUS       AW248574                 17 bp    mRNA    linear   EST 07-JAN-2000
DEFINITION  2821096.3prime NIH_MGC_7 Homo sapiens cDNA clone IMAGE:2821096 3',
            mRNA sequence.
ACCESSION   AW248574
VERSION     AW248574.1  GI:6591567
KEYWORDS    EST.
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   NIH-MGC http://mgc.nci.nih.gov/.
  TITLE     National Institutes of Health, Mammalian Gene Collection (MGC)
  JOURNAL   Unpublished
COMMENT     Other_ESTs: 2821096.5prime
            Contact: Robert Strausberg, Ph.D.
            Email: cgapbs-r@mail.nih.gov
            Tissue Procurement: DCTD/DTP cDNA Library Preparation: Ling
            Hong/Rubin Laboratory cDNA Library Arrayed by: The I.M.A.G.E.
            Consortium (LLNL) DNA Sequencing by: Berkeley MGC sequencing
            project Clone distribution: MGC clone distribution information can
            be found through the I.M.A.G.E. Consortium/LLNL at:
            www-bio.llnl.gov/bbrp/image/image.html Base Calling / Quality
            Scores: PHRED from University of Washington Genome Center. Vector
            Trimming: cross_match from University of Washington Genome Center
            PHRAP suite. Poly-T Identification: patMatch.pl from Berkeley
            Drosophila Genome Project. University of Washington Genome Center:
            http://www.genome.washington.edu Low Quality Sequence: 8 contiguous
            PHRED high quality bases following vector sequence. Very Low
            Quality Sequence: Trace file contained 17 contiguous distinct peaks
            following vector sequence. Polyadenylation: Based upon the presence
            of a XhoI site followed by a run of 14 or more T residues at the
            beginning of the sequence, this cDNA insert was polyadenylated.
            Plate: LLCM5  row: O  column: 17
            High quality sequence stop: 8.
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Homo sapiens"
                     /mol_type="mRNA"
                     /db_xref="taxon:9606"
                     /clone="IMAGE:2821096"
                     /tissue_type="small cell carcinoma"
                     /cell_line="MGC3"
                     /lab_host="DH10B (phage-resistant)"
                     /clone_lib="NIH_MGC_7"
                     /note="Organ: lung; Vector: pOTB7; Site_1: XhoI; Site_2:
                     EcoRI; cDNA made by oligo-dT priming.  Directionally
                     cloned into EcoRI/XhoI sites using the following 5'
                     adaptor: GGCACGAG(G).  Size-selected >500bp for average
                     insert size 1.8kb.  Library constructed by Ling Hong in
                     the laboratory of Gerald M. Rubin (University of
                     California, Berkeley) using  ZAP-cDNA synthesis kit
                     (Stratagene) and Superscript II RT (Life Technologies)."
BASE COUNT        0 a      0 c      1 g     16 t

  Query Match             1.0%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 13;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        618 AAAAAACAACAAATAA 633
              |||||||| ||| ||
Db         17 AAAAAACAAAAAAAAA 2


RESULT 29
BQ591588/c
LOCUS       BQ591588                 17 bp    mRNA    linear   EST 06-DEC-2002
DEFINITION  EO12616-024-017-C15-SP6 MPIZ-ADIS-024-storage root Beta vulgaris
            cDNA clone 024-017-C15 5-PRIME, mRNA sequence.
ACCESSION   BQ591588
VERSION     BQ591588.1  GI:26121171
KEYWORDS    EST.
SOURCE      Beta vulgaris
  ORGANISM  Beta vulgaris
            Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
            Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
            Caryophyllales; Amaranthaceae; Beta.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   Herwig,R., Schulz,B., Weisshaar,B., Hennig,S., Steinfath,M.,
            Drungowski,M., Stahl,D., Wruck,W., Menze,A., O'Brien,J., Lehrach,H.
            and Radelof,U.
  TITLE     Construction of a 'unigene' cDNA clone set by oligonucleotide
            fingerprinting allows access to 25 000 potential sugar beet genes
  JOURNAL   Plant J. 32 (5), 845-857 (2002)
COMMENT     Contact: Weisshaar B
```

```
          ADIS DNA core facility at MPIZ
          Max-Planck-Institute for Plant Breeding Research
          Carl-von-Linne Weg 10, 50829 Koeln, Germany
          Fax: 00492215062851
          Email: weisshaa@mpiz-koeln.mpg.de
          Insert Length: 17   Std Error: 0.00
          Plate: 17  row: C  column: 15
          Seq primer: SP6; CATACGATTTAGGTGACACTATAG.
!ATURES             Location/Qualifiers
    source          1. .17
                    /organism="Beta vulgaris"
                    /mol_type="mRNA"
                    /cultivar="KWS2320 (double haploid, monogerm breeding line
                    )"
                    /db_xref="GABI:188532"
                    /db_xref="taxon:161934"
                    /clone="024-017-C15"
                    /tissue_type="storage root"
                    /lab_host="EMDH10B"
                    /clone_lib="MPIZ-ADIS-024-storage root"
                    /note="Vector: pCMVSPORT6; Site_1: SalI; Site_2: NotI;
                    cDNA library from sugar beet, library provided by KWS
                    Kleinwanzlebener Saatzucht AG Einbeck, Germany, contact:
                    b.schulz@kws.de; cloning sites SalI-NotI, primer sites and
                    orientation:
                    SP6-SalI-CCACGCGTCCG-5prime-cDNA-polyA-CC-NotI-T7;  Note:
                    Sequencing granted in the context of the GABI-Beet project
                    , local PI: Dr. Katharina Schneider, coordinator: Prof.
                    Christian Jung;  Sequence submission managed by
                    RZPD/GABI-Primary database: http://gabi.rzpd.de"
ASE COUNT        1 a      0 c      0 g     16 t

 Query Match             1.0%;  Score 12.8;  DB 1;  Length 17;
 Best Local Similarity   87.5%;  Pred. No. 13;
 Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

f        618 AAAAAACAACAAATAA 633
             |||||| || ||||||
>         16 AAAAAAAAAAAAATAA 1


ESULT 30
Z764511/c
OCUS        AZ764511                 19 bp    DNA     linear   GSS 16-FEB-2001
EFINITION   1M0560B08R Mouse 10kb plasmid UUGC1M library Mus musculus genomic
            clone UUGC1M0560B08 R, genomic survey sequence.
CCESSION    AZ764511
ERSION      AZ764511.1  GI:12879549
EYWORDS     GSS.
OURCE       Mus musculus (house mouse)
 ORGANISM   Mus musculus
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
EFERENCE    1  (bases 1 to 19)
 AUTHORS    Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
            Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly
            ,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A.
            and Wright,D.,Weiss,R.
 TITLE      Mouse whole genome scaffolding with paired end reads from 10kb
            plasmid inserts
 JOURNAL    Unpublished
OMMENT      Contact: Robert B. Weiss
            University of Utah Genome Center
            University of Utah
            Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
            84112, USA
            Tel: 801 585 5606
            Fax: 801 585 7177
            Email: ddunn@genetics.utah.edu
            Insert Length: 10000   Std Error: 0.00
            Plate: 0560  row: B  column: 08
            Seq primer: CACACAGGAAACAGCTATGACC
            Class: plasmid ends
          High quality sequence stop: 19.
FEATURES            Location/Qualifiers
     source         1. .19
                    /organism="Mus musculus"
                    /mol_type="genomic DNA"
                    /strain="C57BL/6J"
                    /db_xref="taxon:10090"
                    /clone="UUGC1M0560B08"
                    /sex="Male"
                    /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
                    /clone_lib="Mouse 10kb plasmid UUGC1M library"
                    /note="Vector: PWD42nv; Purified genomic DNA from M.
                    musculus C57BL/6J (male) was obtained  from the Jackson
                    Laboratory Mouse DNA Resource
                    (http://www.jax.org/resources/documents/dnares/). The DNA
                    was hydrodynamically sheared by repeated passage through a
                    0.005 inch orifice at constant velocity. The sheared DNA
                    was blunt end-repaired with T4 DNA polymerase and T4
                    polynucleotide kinase. Adaptor oligonucleotides were
                    ligated to the blunt ends in high  molar excess. The
                    adaptored DNA was purified and size-selected for a 9.5 to
                    10.5 kb range using preparative agarose gel
                    electrophoresis. Vector DNA was prepared from a derivative
                    of pWD42 (gi|4732114|gb|AF129072.1), a copy-number
                    inducible derivative of plasmid R1. The vector was ligated
                    with adaptors complementary to the insert adaptors and
                    purified. The sheared, adaptored mouse DNA was annealed to
                    adaptored vector DNA, and transformed into
                    chemically-competent E. coli XL10-Gold (Stratagene) cells
                    and selected for ampicillin resistance."
BASE COUNT       13 a      0 c      0 g      6 t

  Query Match             1.0%;  Score 12.8;  DB 1;  Length 19;
  Best Local Similarity   87.5%;  Pred. No. 22;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1140 AAATTTATTTTATTTT 1155
              |||||| |||| ||||
Db         16 AAATTTTTTTTTTTTT 1


RESULT 31
AZ506216/c
LOCUS       AZ506216                 20 bp    DNA     linear   GSS 05-OCT-2000
DEFINITION  1M0347G11F Mouse 10kb plasmid UUGC1M library Mus musculus genomic
            clone UUGC1M0347G11 F, genomic survey sequence.
ACCESSION   AZ506216
VERSION     AZ506216.1  GI:10687532
KEYWORDS    GSS.
SOURCE      Mus musculus (house mouse)
  ORGANISM  Mus musculus
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE   1  (bases 1 to 20)
  AUTHORS   Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
            Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly
            ,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A.
            and Wright,D.,Weiss,R.
  TITLE     Mouse whole genome scaffolding with paired end reads from 10kb
            plasmid inserts
  JOURNAL   Unpublished
COMMENT     Contact: Robert B. Weiss
            University of Utah Genome Center
            University of Utah
            Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
            84112, USA
            Tel: 801 585 5606
            Fax: 801 585 7177
            Email: ddunn@genetics.utah.edu
            Insert Length: 10000   Std Error: 0.00
            Plate: 0347  row: G  column: 11
            Seq primer: CGTTGTAAAACGACGGCCAGT
            Class: plasmid ends
```

```
          High quality sequence stop: 20.
FEATURES             Location/Qualifiers
     source          1. .20
                     /organism="Mus musculus"
                     /mol_type="genomic DNA"
                     /strain="C57BL/6J"
                     /db_xref="taxon:10090"
                     /clone="UUGC1M0347G11"
                     /sex="Male"
                     /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
                     /clone_lib="Mouse 10kb plasmid UUGC1M library"
                     /note="Vector: PWD42nv; Purified genomic DNA from M.
                     musculus C57BL/6J (male) was obtained  from the Jackson
                     Laboratory Mouse DNA Resource
                     (http://www.jax.org/resources/documents/dnares/). The DNA
                     was hydrodynamically sheared by repeated passage through a
                     0.005 inch orifice at constant velocity. The sheared DNA
                     was blunt end-repaired with T4 DNA polymerase and T4
                     polynucleotide kinase. Adaptor oligonucleotides were
                     ligated to the blunt ends in high  molar excess. The
                     adaptored DNA was purified and size-selected for a 9.5 to
                     10.5 kb range using preparative agarose gel
                     electrophoresis. Vector DNA was prepared from a derivative
                     of pWD42 (gi|4732114|gb|AF129072.1), a copy-number
                     inducible derivative of plasmid R1. The vector was ligated
                     with adaptors complementary to the insert adaptors and
                     purified. The sheared, adaptored mouse DNA was annealed to
                     adaptored vector DNA, and transformed into
                     chemically-competent E. coli XL10-Gold (Stratagene) cells
                     and selected for ampicillin resistance."
BASE COUNT       13 a      0 c      0 g      7 t

  Query Match             1.0%;  Score 12.8;  DB 1;  Length 20;
  Best Local Similarity   87.5%;  Pred. No. 27;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1140 AAATTTATTTTATTTT 1155
              ||||||  ||||  ||||
Db         16 AAATTTTTTTTTTTTT 1


RESULT 32
AZ764514/c
LOCUS       AZ764514                 20 bp    DNA     linear   GSS 16-FEB-2001
DEFINITION  1M0560F09R Mouse 10kb plasmid UUGC1M library Mus musculus genomic
            clone UUGC1M0560F09 R, genomic survey sequence.
ACCESSION   AZ764514
VERSION     AZ764514.1  GI:12879555
KEYWORDS    GSS.
SOURCE      Mus musculus (house mouse)
  ORGANISM  Mus musculus
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE   1  (bases 1 to 20)
  AUTHORS   Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
            Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly
            ,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A.
            and Wright,D.,Weiss,R.
  TITLE     Mouse whole genome scaffolding with paired end reads from 10kb
            plasmid inserts
  JOURNAL   Unpublished
COMMENT     Contact: Robert B. Weiss
            University of Utah Genome Center
            University of Utah
            Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
            84112, USA
            Tel: 801 585 5606
            Fax: 801 585 7177
            Email: ddunn@genetics.utah.edu
            Insert Length: 10000   Std Error: 0.00
            Plate: 0560  row: P  column: 09
            Seq primer: CACACAGGAAACAGCTATGACC
            Class: plasmid ends
```

```
          High quality sequence stop: 20.
FEATURES             Location/Qualifiers
     source          1. .20
                     /organism="Mus musculus"
                     /mol_type="genomic DNA"
                     /strain="C57BL/6J"
                     /db_xref="taxon:10090"
                     /clone="UUGC1M0560F09"
                     /sex="Male"
                     /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
                     /clone_lib="Mouse 10kb plasmid UUGC1M library"
                     /note="Vector: PWD42nv; Purified genomic DNA from M.
                     musculus C57BL/6J (male) was obtained  from the Jackson
                     Laboratory Mouse DNA Resource
                     (http://www.jax.org/resources/documents/dnares/). The DNA
                     was hydrodynamically sheared by repeated passage through a
                     0.005 inch orifice at constant velocity. The sheared DNA
                     was blunt end-repaired with T4 DNA polymerase and T4
                     polynucleotide kinase. Adaptor oligonucleotides were
                     ligated to the blunt ends in high  molar excess. The
                     adaptored DNA was purified and size-selected for a 9.5 to
                     10.5 kb range using preparative agarose gel
                     electrophoresis. Vector DNA was prepared from a derivative
                     of pWD42 (gi|4732114|gb|AF129072.1), a copy-number
                     inducible derivative of plasmid R1. The vector was ligated
                     with adaptors complementary to the insert adaptors and
                     purified. The sheared, adaptored mouse DNA was annealed to
                     adaptored vector DNA, and transformed into
                     chemically-competent E. coli XL10-Gold (Stratagene) cells
                     and selected for ampicillin resistance."
BASE COUNT       13 a      0 c      0 g      7 t

  Query Match             1.0%;  Score 12.8;  DB 1;  Length 20;
  Best Local Similarity   87.5%;  Pred. No. 27;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1140 AAATTTATTTTATTTT 1155
              ||||||  ||||  ||||
Db         16 AAATTTTTTTTTTTTT 1


RESULT 33
AZ773905
LOCUS       AZ773905                 20 bp    DNA     linear   GSS 16-FEB-2001
DEFINITION  2M0001C15R Mouse 10kb plasmid UUGC1M library Mus musculus genomic
            clone UUGC2M0001C15 R, genomic survey sequence.
ACCESSION   AZ773905
VERSION     AZ773905.1  GI:12898761
KEYWORDS    GSS.
SOURCE      Mus musculus (house mouse)
  ORGANISM  Mus musculus
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE   1  (bases 1 to 20)
  AUTHORS   Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
            Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly
            ,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A.
            and Wright,D.,Weiss,R.
  TITLE     Mouse whole genome scaffolding with paired end reads from 10kb
            plasmid inserts
  JOURNAL   Unpublished
COMMENT     Contact: Robert B. Weiss
            University of Utah Genome Center
            University of Utah
            Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
            84112, USA
            Tel: 801 585 5606
            Fax: 801 585 7177
            Email: ddunn@genetics.utah.edu
            Insert Length: 10000   Std Error: 0.00
            Plate: 0001  row: C  column: 15
            Seq primer: CACACAGGAAACAGCTATGACC
            Class: plasmid ends
```

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          High quality sequence stop: 20.
EATURES             Location/Qualifiers
     source         1. .20
                    /organism="Mus musculus"
                    /mol_type="genomic DNA"
                    /strain="C57BL/6J"
                    /db_xref="taxon:10090"
                    /clone="UUGC2M0001C15"
                    /sex="Male"
                    /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
                    /clone_lib="Mouse 10kb plasmid UUGC1M library"
                    /note="Vector: PWD42nv; Purified genomic DNA from M.
                    musculus C57BL/6J (male) was obtained  from the Jackson
                    Laboratory Mouse DNA Resource
                    (http://www.jax.org/resources/documents/dnares/). The DNA
                    was hydrodynamically sheared by repeated passage through a
                    0.005 inch orifice at constant velocity. The sheared DNA
                    was blunt end-repaired with T4 DNA polymerase and T4
                    polynucleotide kinase. Adaptor oligonucleotides were
                    ligated to the blunt ends in high  molar excess. The
                    adaptored DNA was purified and size-selected for a 9.5 to
                    10.5 kb range using preparative agarose gel
                    electrophoresis. Vector DNA was prepared from a derivative
                    of pWD42 (gi|4732114|gb|AF129072.1), a copy-number
                    inducible derivative of plasmid R1. The vector was ligated
                    with adaptors complementary to the insert adaptors and
                    purified. The sheared, adaptored mouse DNA was annealed to
                    adaptored vector DNA, and transformed into
                    chemically-competent E. coli XL10-Gold (Stratagene) cells
                    and selected for ampicillin resistance."
ASE COUNT        7 a      0 c      0 g     13 t

 Query Match             1.0%;  Score 12.8;  DB 1;  Length 20;
 Best Local Similarity   87.5%;  Pred. No. 27;
 Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

y       1140 AAATTTATTTTATTTT 1155
             |||||| |||| ||||
b          5 AAATTTTTTTTTTTTT 20


ESULT 34
Q586463
OCUS        BQ586463                 14 bp    mRNA    linear   EST 06-DEC-2002
EFINITION   S014460-024-012-M13-SP6 MPIZ-ADIS-024-leaf Beta vulgaris cDNA clone
            024-012-M13 5-PRIME, mRNA sequence.
CCESSION    BQ586463
ERSION      BQ586463.1  GI:26116045
EYWORDS     EST.
OURCE       Beta vulgaris
 ORGANISM   Beta vulgaris
            Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
            Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
            Caryophyllales; Amaranthaceae; Beta.
EFERENCE    1  (bases 1 to 14)
 AUTHORS    Herwig,R., Schulz,B., Weisshaar,B., Hennig,S., Steinfath,M.,
            Drungowski,M., Stahl,D., Wruck,W., Menze,A., O'Brien,J., Lehrach,H.
            and Radelof,U.
 TITLE      Construction of a 'unigene' cDNA clone set by oligonucleotide
            fingerprinting allows access to 25 000 potential sugar beet genes
 JOURNAL    Plant J. 32 (5), 845-857 (2002)
OMMENT      Contact: Weisshaar B
            ADIS DNA core facility at MPIZ
            Max-Planck-Institute for Plant Breeding Research
            Carl-von-Linne Weg 10, 50829 Koeln, Germany
            Fax: 00492215062851
            Email: weisshaa@mpiz-koeln.mpg.de
            Insert Length: 14   Std Error: 0.00
            Plate: 12  row: M  column: 13
            Seq primer: SP6; CATACGATTTAGGTGACACTATAG.
EATURES             Location/Qualifiers
     source         1. .14
                    /organism="Beta vulgaris"
                    /mol_type="mRNA"
                    /cultivar="KWS2320 (double haploid, monogerm breeding line
                    )"
                    /db_xref="GABI:186403"
                    /db_xref="taxon:161934"
                    /clone="024-012-M13"
                    /tissue_type="leaf"
                    /lab_host="EMDH10B"
                    /clone_lib="MPIZ-ADIS-024-leaf"
                    /note="Vector: pCMVSPORT6; Site_1: SalI; Site_2: NotI;
                    cDNA library from sugar beet, library provided by KWS
                    Kleinwanzlebener Saatzucht AG Einbeck, Germany, contact:
                    b.schulz@kws.de; cloning sites SalI-NotI, primer sites and
                    orientation:
                    SP6-SalI-CCACGCGTCCG-5prime-cDNA-polyA-CC-NotI-T7;  Note:
                    Sequencing granted in the context of the GABI-Beet project
                    , local PI: Dr. Katharina Schneider, coordinator: Prof.
                    Christian Jung;  Sequence submission managed by
                    RZPD/GABI-Primary database:http://gabi.rzpd.de"
BASE COUNT        5 a      3 c      2 g      4 t

  Query Match             1.0%;  Score 12.4;  DB 1;  Length 14;
  Best Local Similarity   92.9%;  Pred. No. 6.8;
  Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        505 AATACAAGATTCCT 518
              |||||| |||||||
Db          1 AATACAGGATTCCT 14


RESULT 35
AW246446
LOCUS       AW246446                 17 bp    mRNA    linear   EST 07-JAN-2000
DEFINITION  2821601.3prime NIH_MGC_7 Homo sapiens cDNA clone IMAGE:2821601 3',
            mRNA sequence.
ACCESSION   AW246446
VERSION     AW246446.1  GI:6589439
KEYWORDS    EST.
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   NIH-MGC http://mgc.nci.nih.gov/.
  TITLE     National Institutes of Health, Mammalian Gene Collection (MGC)
  JOURNAL   Unpublished
COMMENT     Other_ESTs: 2821601.5prime
            Contact: Robert Strausberg, Ph.D.
            Email: cgapbs-r@mail.nih.gov
            Tissue Procurement: DCTD/DTP cDNA Library Preparation: Ling
            Hong/Rubin Laboratory cDNA Library Arrayed by: The I.M.A.G.E.
            Consortium (LLNL) DNA Sequencing by: Berkeley MGC sequencing
            project Clone distribution: MGC clone distribution information can
            be found through the I.M.A.G.E. Consortium/LLNL at:
            www-bio.llnl.gov/bbrp/image/image.html Base Calling / Quality
            Scores: PHRED from University of Washington Genome Center. Vector
            Trimming: cross_match from University of Washington Genome Center
            PHRAP suite. Poly-T Identification: patMatch.pl from Berkeley
            Drosophila Genome Project. University of Washington Genome Center:
            http://www.genome.washington.edu Low Quality Sequence: 9 contiguous
            PHRED high quality bases following vector sequence. Very Low
            Quality Sequence: Trace file contained 17 contiguous distinct peaks
            following vector sequence. Polyadenylation: Based upon the presence
            of a XhoI site followed by a run of 14 or more T residues at the
            beginning of the sequence, this cDNA insert was polyadenylated.
            Plate: LLCM7  row: D  column: 18
            High quality sequence stop: 9.
FEATURES            Location/Qualifiers
     source         1. .17
                    /organism="Homo sapiens"
                    /mol_type="mRNA"
                    /db_xref="taxon:9606"
                    /clone="IMAGE:2821601"
```

```
                     /tissue_type="small cell carcinoma"
                     /cell_line="MGC3"
                     /lab_host="DH10B (phage-resistant)"
                     /clone_lib="NIH_MGC_7"
                     /note="Organ: lung; Vector: pOTB7; Site_1: XhoI; Site_2:
                     EcoRI; cDNA made by oligo-dT priming.  Directionally
                     cloned into EcoRI/XhoI sites using the following 5'
                     adaptor: GGCACGAG(G).  Size-selected >500bp for average
                     insert size 1.8kb.  Library constructed by Ling Hong in
                     the laboratory of Gerald M. Rubin (University of
                     California, Berkeley) using  ZAP-cDNA synthesis kit
                     (Stratagene) and Superscript II RT (Life Technologies)."
BASE COUNT        2 a      0 c      2 g     13 t

  Query Match             1.0%;  Score 12.4;  DB 1;  Length 17;
  Best Local Similarity   92.9%;  Pred. No. 17;
  Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        833 TTTTTTTCTGTTAA 846
              ||||||| ||||||
Db          4 TTTTTTTGTGTTAA 17


RESULT 36
T80419/c
LOCUS       T80419                   25 bp    mRNA    linear   EST 15-MAR-1995
DEFINITION  yd17d11.s1 Soares fetal liver spleen 1NFLS Homo sapiens cDNA clone
            IMAGE:108501 3' similar to gb:M24902 PROSTATIC ACID PHOSPHATASE
            PRECURSOR (HUMAN);, mRNA sequence.
ACCESSION   T80419
VERSION     T80419.1  GI:698928
KEYWORDS    EST.
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE   1  (bases 1 to 25)
  AUTHORS   Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M., Holman
            ,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M., Parsons,J.,
            Rifkin,L., Rohlfing,T., Soares,M., Tan,F., Trevaskis,E., Waterston
            ,R., Williamson,A., Wohldmann,P. and Wilson,R.
  TITLE     The WashU-Merck EST Project
  JOURNAL   Unpublished
COMMENT     Other_ESTs: yd17d11.r1
            Contact: Wilson RK
            Washington University School of Medicine
            4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
            Tel: 314 286 1800
            Fax: 314 286 1810
            Email: est@watson.wustl.edu
            Insert Size: 893
            High quality sequence starts: 1 High quality sequence stops: 1
            Source: IMAGE Consortium, LLNL This clone is available royalty-free
            through LLNL ; contact the IMAGE Consortium (info@image.llnl.gov)
            for further information. Trace considered overall poor quality
            Insert Length: 893    Std Error: 0.00
            Seq primer: -21m13
            High quality sequence stop: 1.
FEATURES             Location/Qualifiers
     source          1. .25
                     /organism="Homo sapiens"
                     /mol_type="mRNA"
                     /db_xref="GDB:464118"
                     /db_xref="taxon:9606"
                     /clone="IMAGE:108501"
                     /sex="male"
                     /dev_stage="20 week-post conception fetus"
                     /lab_host="DH10B (ampicillin resistant)"
                     /clone_lib="Soares fetal liver spleen 1NFLS"
                     /note="Organ: Liver and Spleen; Vector: pT7T3D (Pharmacia)
                     with a modified polylinker; Site_1: Pac I; Site_2: Eco RI;
                     1st strand cDNA was primed with a Pac I - oligo(dT) primer
                     [5' AACTGGAAGAATTAATTAAAGATCTTTTTTTTTTTTTTTTTT 3'],
                     double-stranded cDNA was ligated to Eco RI adaptors
                     (Pharmacia), digested with Pac I and cloned into the Pac I
                     and Eco RI sites of the modified pT7T3 vector.  Library
                     went through one round of normalization. Library
                     constructed by Bento Soares and M.Fatima Bonaldo."
BASE COUNT        7 a      0 c      0 g     18 t

  Query Match             1.0%;  Score 12.4;  DB 1;  Length 25;
  Best Local Similarity   72.7%;  Pred. No. 53;
  Matches   16;  Conservative    0;  Mismatches    6;  Indels    0;  Gaps    0;

Qy       1585 TATGGAAATATAAAAGTAAATA 1606
              ||   ||||| | || ||||||
Db         25 TAAATAAATAAATAAATAAATA 4


RESULT 37
AI798250
LOCUS       AI798250                 16 bp    mRNA    linear   EST 06-JUL-1999
DEFINITION  tr32b08.x1 NCI_CGAP_Ov23 Homo sapiens cDNA clone IMAGE:2219991 3'
            similar to TR:O79354 O79354 CYTOCHROME OXIDASE SUBUNIT III. ;, mRNA
            sequence.
ACCESSION   AI798250
VERSION     AI798250.1  GI:5363722
KEYWORDS    EST.
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE   1  (bases 1 to 16)
  AUTHORS   NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
  TITLE     National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
            Tumor Gene Index
  JOURNAL   Unpublished
COMMENT     Contact: Robert Strausberg, Ph.D.
            Email: cgapbs-r@mail.nih.gov
            Tissue Procurement: Christopher Moskaluk, M.D., Ph.D., Michael R.
            Emmert-Buck, M.D., Ph.D.
            cDNA Library Preparation: Life Technologies, Inc.
            cDNA Library Arrayed by: Greg Lennon, Ph.D.
            DNA Sequencing by: Washington University Genome Sequencing Center
            Clone distribution: NCI-CGAP clone distribution information can be
            found through the I.M.A.G.E. Consortium/LLNL at:
            www-bio.llnl.gov/bbrp/image/image.html

            Trace considered overall poor quality
            Seq primer: -40UP from Gibco
            High quality sequence stop: 1.
FEATURES             Location/Qualifiers
     source          1. .16
                     /organism="Homo sapiens"
                     /mol_type="mRNA"
                     /db_xref="taxon:9606"
                     /clone="IMAGE:2219991"
                     /tissue_type="tumor, 5 pooled (see description)"
                     /lab_host="DH10B"
                     /clone_lib="NCI_CGAP_Ov23"
                     /note="Organ: ovary; Vector: pCMV-SPORT6; Site_1: SalI;
                     Site_2: NotI; Cloned unidirectionally.  Primer: Oligo dT.
                     Average insert size 1.35 kb. Tumor types include: mixed
                     Mullerian tumor, papillary serous, clear cell, spindle
                     cell.  All are primary tumors, metastasis positive. Life
                     Technologies catalog #: 11534-013"
BASE COUNT       13 a      2 c      1 g      0 t

  Query Match             0.9%;  Score 11.8;  DB 1;  Length 16;
  Best Local Similarity   86.7%;  Pred. No. 19;
  Matches   13;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        616 ACAAAAAACAACAAA 630
              ||||||| || |||
Db          2 ACAAAAAAAAAGAAA 16
```

```
!ESULT 38
.Z817185/c
.OCUS       AZ817185                19 bp    DNA     linear   GSS 20-FEB-2001
)EFINITION  2M0086E19F Mouse 10kb plasmid UUGC1M library Mus musculus genomic
            clone UUGC2M0086E19 F, genomic survey sequence.
.CCESSION   AZ817185
'ERSION     AZ817185.1  GI:12987093
EYWORDS     GSS.
OURCE       Mus musculus (house mouse)
  ORGANISM  Mus musculus
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
EFERENCE    1  (bases 1 to 19)
  AUTHORS   Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
            Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly
            ,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A.
            and Wright,D.,Weiss,R.
  TITLE     Mouse whole genome scaffolding with paired end reads from 10kb
            plasmid inserts
  JOURNAL   Unpublished
'OMMENT     Contact: Robert B. Weiss
            University of Utah Genome Center
            University of Utah
            Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
            84112, USA
            Tel: 801 585 5606
            Fax: 801 585 7177
            Email: ddunn@genetics.utah.edu
            Insert Length: 10000   Std Error: 0.00
            Plate: 0086  row: E  column: 19
            Seq primer: CGTTGTAAAACGACGGCCAGT
            Class: plasmid ends
            High quality sequence stop: 19.
EATURES             Location/Qualifiers
     source         1. .19
                    /organism="Mus musculus"
                    /mol_type="genomic DNA"
                    /strain="C57BL/6J"
                    /db_xref="taxon:10090"
                    /clone="UUGC2M0086E19"
                    /sex="Male"
                    /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
                    /clone_lib="Mouse 10kb plasmid UUGC1M library"
                    /note="Vector: PWD42nv; Purified genomic DNA from M.
                    musculus C57BL/6J (male) was obtained  from the Jackson
                    Laboratory Mouse DNA Resource
                    (http://www.jax.org/resources/documents/dnares/). The DNA
                    was hydrodynamically sheared by repeated passage through a
                    0.005 inch orifice at constant velocity. The sheared DNA
                    was blunt end-repaired with T4 DNA polymerase and T4
                    polynucleotide kinase. Adaptor oligonucleotides were
                    ligated to the blunt ends in high  molar excess. The
                    adaptored DNA was purified and size-selected for a 9.5 to
                    10.5 kb range using preparative agarose gel
                    electrophoresis. Vector DNA was prepared from a derivative
                    of pWD42 (gi|4732114|gb|AF129072.1), a copy-number
                    inducible derivative of plasmid R1. The vector was ligated
                    with adaptors complementary to the insert adaptors and
                    purified. The sheared, adaptored mouse DNA was annealed to
                    adaptored vector DNA, and transformed into
                    chemically-competent E. coli XL10-Gold (Stratagene) cells
                    and selected for ampicillin resistance."
ASE COUNT        8 a      0 c      0 g     11 t

 Query Match             0.9%;  Score 11.8;  DB 1;  Length 19;
 Best Local Similarity   86.7%;  Pred. No. 37;
 Matches   13;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

y       1172 TTTATTAGATAAATT 1186
             ||||||| ||||| |
b         17 TTTATTAAATAAAAT 3
```

```
RESULT 39
AZ426151/c
LOCUS       AZ426151                24 bp    DNA     linear   GSS 03-OCT-2000
DEFINITION  1M0206L01R Mouse 10kb plasmid UUGC1M library Mus musculus genomic
            clone UUGC1M0206L01 R, genomic survey sequence.
ACCESSION   AZ426151
VERSION     AZ426151.1  GI:10550164
KEYWORDS    GSS.
SOURCE      Mus musculus (house mouse)
  ORGANISM  Mus musculus
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE   1  (bases 1 to 24)
  AUTHORS   Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
            Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly
            ,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A.
            and Wright,D.,Weiss,R.
  TITLE     Mouse whole genome scaffolding with paired end reads from 10kb
            plasmid inserts
  JOURNAL   Unpublished
COMMENT     Contact: Robert B. Weiss
            University of Utah Genome Center
            University of Utah
            Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
            84112, USA
            Tel: 801 585 5606
            Fax: 801 585 7177
            Email: ddunn@genetics.utah.edu
            Insert Length: 10000   Std Error: 0.00
            Plate: 0206  row: L  column: 01
            Seq primer: CACACAGGAAACAGCTATGACC
            Class: plasmid ends
            High quality sequence stop: 24.
FEATURES            Location/Qualifiers
     source         1. .24
                    /organism="Mus musculus"
                    /mol_type="genomic DNA"
                    /strain="C57BL/6J"
                    /db_xref="taxon:10090"
                    /clone="UUGC1M0206L01"
                    /sex="Male"
                    /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
                    /clone_lib="Mouse 10kb plasmid UUGC1M library"
                    /note="Vector: PWD42nv; Purified genomic DNA from M.
                    musculus C57BL/6J (male) was obtained  from the Jackson
                    Laboratory Mouse DNA Resource
                    (http://www.jax.org/resources/documents/dnares/). The DNA
                    was hydrodynamically sheared by repeated passage through a
                    0.005 inch orifice at constant velocity. The sheared DNA
                    was blunt end-repaired with T4 DNA polymerase and T4
                    polynucleotide kinase. Adaptor oligonucleotides were
                    ligated to the blunt ends in high  molar excess. The
                    adaptored DNA was purified and size-selected for a 9.5 to
                    10.5 kb range using preparative agarose gel
                    electrophoresis. Vector DNA was prepared from a derivative
                    of pWD42 (gi|4732114|gb|AF129072.1), a copy-number
                    inducible derivative of plasmid R1. The vector was ligated
                    with adaptors complementary to the insert adaptors and
                    purified. The sheared, adaptored mouse DNA was annealed to
                    adaptored vector DNA, and transformed into
                    chemically-competent E. coli XL10-Gold (Stratagene) cells
                    and selected for ampicillin resistance."
BASE COUNT      11 a      0 c      2 g     11 t

 Query Match             0.9%;  Score 11.8;  DB 1;  Length 24;
 Best Local Similarity   86.7%;  Pred. No. 57;
 Matches   13;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy      1257 ACAAATAATTTTTTA 1271
             | |||||||  |||||
Db        23 ATAAATAATATTTTA 9
```

```
RESULT 40
AZ345435
LOCUS       AZ345435                 20 bp    DNA     linear   GSS 29-SEP-2000
DEFINITION  1M0080E11F Mouse 10kb plasmid UUGC1M library Mus musculus genomic
            clone UUGC1M0080E11 F, genomic survey sequence.
ACCESSION   AZ345435
VERSION     AZ345435.1  GI:10424672
KEYWORDS    GSS.
SOURCE      Mus musculus (house mouse)
  ORGANISM  Mus musculus
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE   1  (bases 1 to 20)
  AUTHORS   Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
            Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly
            ,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A.
            and Wright,D.,Weiss,R.
  TITLE     Mouse whole genome scaffolding with paired end reads from 10kb
            plasmid inserts
  JOURNAL   Unpublished
COMMENT     Contact: Robert B. Weiss
            University of Utah Genome Center
            University of Utah
            Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
            84112, USA
            Tel: 801 585 5606
            Fax: 801 585 7177
            Email: ddunn@genetics.utah.edu
            Insert Length: 10000   Std Error: 0.00
            Plate: 0080  row: E  column: 11
            Seq primer: CGTTGTAAAACGACGGCCAGT
            Class: plasmid ends
            High quality sequence stop: 20.
FEATURES             Location/Qualifiers
     source          1. .20
                     /organism="Mus musculus"
                     /mol_type="genomic DNA"
                     /strain="C57BL/6J"
                     /db_xref="taxon:10090"
                     /clone="UUGC1M0080E11"
                     /sex="Male"
                     /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
                     /clone_lib="Mouse 10kb plasmid UUGC1M library"
                     /note="Vector: PWD42nv; Purified genomic DNA from M.
                     musculus C57BL/6J (male) was obtained  from the Jackson
                     Laboratory Mouse DNA Resource
                     (http://www.jax.org/resources/documents/dnares/). The DNA
                     was hydrodynamically sheared by repeated passage through a
                     0.005 inch orifice at constant velocity. The sheared DNA
                     was blunt end-repaired with T4 DNA polymerase and T4
                     polynucleotide kinase. Adaptor oligonucleotides were
                     ligated to the blunt ends in high  molar excess. The
                     adaptored DNA was purified and size-selected for a 9.5 to
                     10.5 kb range using preparative agarose gel
                     electrophoresis. Vector DNA was prepared from a derivative
                     of pWD42 (gi|4732114|gb|AF129072.1), a copy-number
                     inducible derivative of plasmid R1. The vector was ligated
                     with adaptors complementary to the insert adaptors and
                     purified. The sheared, adaptored mouse DNA was annealed to
                     adaptored vector DNA, and transformed into
                     chemically-competent E. coli XL10-Gold (Stratagene) cells
                     and selected for ampicillin resistance."
BASE COUNT       11 a      4 c      0 g      5 t

  Query Match             0.9%;  Score 11.6;  DB 1;  Length 20;
  Best Local Similarity   77.8%;  Pred. No. 46;
  Matches   14;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        995 TTTCATCATAACATAAAT 1012
              ||  || | |||||||||
Db          2 TTCAATAACAACATAAAT 19
```

```
RESULT 41
AI016863/c
LOCUS       AI016863                 13 bp    mRNA    linear   EST 16-JUN-1998
DEFINITION  ou27c10.x1 Soares_NFL_T_GBC_S1 Homo sapiens cDNA clone
            IMAGE:1627506 3' similar to WP:T04F8.8 CE03620 ;, mRNA sequence.
ACCESSION   AI016863
VERSION     AI016863.1  GI:3231199
KEYWORDS    EST.
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE   1  (bases 1 to 13)
  AUTHORS   NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
  TITLE     National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
            Tumor Gene Index
  JOURNAL   Unpublished
COMMENT     Contact: Robert Strausberg, Ph.D.
            Email: cgapbs-r@mail.nih.gov
            This clone is available royalty-free through LLNL ; contact the
            IMAGE Consortium (info@image.llnl.gov) for further information.
            Trace considered overall poor quality
            Seq primer: -40m13 fwd. ET from Amersham
            High quality sequence stop: 1.
FEATURES             Location/Qualifiers
     source          1. .13
                     /organism="Homo sapiens"
                     /mol_type="mRNA"
                     /db_xref="taxon:9606"
                     /clone="IMAGE:1627506"
                     /lab_host="DH10B"
                     /clone_lib="Soares_NFL_T_GBC_S1"
                     /note="Organ: pooled; Vector: pT7T3D-Pac (Pharmacia) with
                     a modified polylinker; Site_1: Not I; Site_2: Eco RI;
                     Equal amounts of plasmid DNA from three normalized
                     libraries (fetal lung NbHL19W, testis NHT, and B-cell
                     NCI_CGAP_GCB1) were mixed, and ss circles were made in
                     vitro. Following HAP purification, this DNA was used as
                     tracer in a subtractive hybridization reaction. The driver
                     was PCR-amplified cDNAs from pools of 5,000 clones made
                     from the same 3 libraries. The pools consisted of
                     I.M.A.G.E. clones 297480-302087, 682632-687239,
                     726408-728711, and 729096-731399. Subtraction by Bento
                     Soares and M. Fatima Bonaldo. "
BASE COUNT        6 a      6 c      1 g      0 t

  Query Match             0.9%;  Score 11.4;  DB 1;  Length 13;
  Best Local Similarity   92.3%;  Pred. No. 9;
  Matches   12;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1353 CTGTGTTGGTAGT 1365
              |||||||||| ||
Db         13 CTGTGTTGGTGGT 1
```

```
RESULT 42
AW250981
LOCUS       AW250981                 16 bp    mRNA    linear   EST 07-JAN-2000
DEFINITION  2822267.3prime NIH_MGC_7 Homo sapiens cDNA clone IMAGE:2822267 3',
            mRNA sequence.
ACCESSION   AW250981
VERSION     AW250981.1  GI:6594070
KEYWORDS    EST.
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE   1  (bases 1 to 16)
  AUTHORS   NIH-MGC http://mgc.nci.nih.gov/.
  TITLE     National Institutes of Health, Mammalian Gene Collection (MGC)
  JOURNAL   Unpublished
COMMENT     Other_ESTs: 2822267.5prime
```

Contact: Robert Strausberg, Ph.D.
Email: cgapbs-r@mail.nih.gov
Tissue Procurement: DCTD/DTP cDNA Library Preparation: Ling Hong/Rubin Laboratory cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL) DNA Sequencing by: Berkeley MGC sequencing project Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at: www-bio.llnl.gov/bbrp/image/image.html Base Calling / Quality Scores: PHRED from University of Washington Genome Center. Vector Trimming: cross_match from University of Washington Genome Center PHRAP suite. Poly-T Identification: patMatch.pl from Berkeley Drosophila Genome Project. University of Washington Genome Center: http://www.genome.washington.edu Low Quality Sequence: 9 contiguous PHRED high quality bases following vector sequence. Very Low Quality Sequence: Trace file contained 16 contiguous distinct peaks following vector sequence. Polyadenylation: Based upon the presence of a XhoI site followed by a run of 14 or more T residues at the beginning of the sequence, this cDNA insert was polyadenylated.
Plate: LLCM8 row: P column: 12
High quality sequence stop: 9.

```
'EATURES             Location/Qualifiers
     source          1. .16
                     /organism="Homo sapiens"
                     /mol_type="mRNA"
                     /db_xref="taxon:9606"
                     /clone="IMAGE:2822267"
                     /tissue_type="small cell carcinoma"
                     /cell_line="MGC3"
                     /lab_host="DH10B (phage-resistant)"
                     /clone_lib="NIH_MGC_7"
                     /note="Organ: lung; Vector: pOTB7; Site_1: XhoI; Site_2:
                     EcoRI; cDNA made by oligo-dT priming. Directionally
                     cloned into EcoRI/XhoI sites using the following 5'
                     adaptor: GGCACGAG(G). Size-selected >500bp for average
                     insert size 1.8kb. Library constructed by Ling Hong in
                     the laboratory of Gerald M. Rubin (University of
                     California, Berkeley) using ZAP-cDNA synthesis kit
                     (Stratagene) and Superscript II RT (Life Technologies)."
ASE COUNT        0 a      3 c      1 g      12 t

 Query Match             0.9%;  Score 11.4;  DB 1;  Length 16;
 Best Local Similarity   92.3%;  Pred. No. 23;
 Matches   12;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

y       1563 TTTTTTTTACTGT 1575
             ||||||||| ||||
b          3 TTTTTTTTCCTGT 15


ESULT 43
A130G02P/c
OCUS        TA130G02P                22 bp    DNA     linear   GSS 13-DEC-2000
EFINITION   T. brucei sheared genomic DNA clone 130g02, forward sequence,
            genomic survey sequence.
CCESSION    AL464119
ERSION      AL464119.1  GI:11834382
EYWORDS     GSS.
OURCE       Trypanosoma brucei
 ORGANISM   Trypanosoma brucei
            Eukaryota; Euglenozoa; Kinetoplastida; Trypanosomatidae;
            Trypanosoma.
EFERENCE    1  (bases 1 to 22)
 AUTHORS    Hall,N., Bowman,S., Lennard,N.J., Doggett,J., Atkin,R.,
            Chillingworth,C., Ormond,D., Harris,B., El-Sayed,N., Hou,L.,
            Melville,S.E., Rajandream,M.A. and Barrell,B.G.
 TITLE      Direct Submission
 JOURNAL    Submitted (10-DEC-2000) Trypanosoma brucei genome sequencing
            project, Sanger Centre, The Wellcome Trust Genome Campus, Hinxton,
            Cambridge CB10 1SA, E-mail: barrell@sanger.ac.uk and
            nh1@sanger.ac.uk
OMMENT      Constructed at the Institute for Genomic Research (TIGR),
            Rockville, MD. Genomic DNA isolated from a cloned population of
            Trypanosoma brucei (TREU927/4 GUTat 10.1) was mechanically sheared
            to give a tight size distribution (
            4 kb). The v + i method used for the library construction is
            described in detail in Smith, H. and Venter, J.C. (Making small
            insert libraries for whole genome shotgun sequencing projects. In
            Genome Sequencing: A Practical Approach, eds. M. Vaudin and B.
            Barrell, Oxford University Press, 1999).
            Email: nelsayed@tigr.org
            Details of T. brucei sequencing at the Sanger Centre are available
            at http://www.sanger.ac.uk/Projects/T_brucei/.
FEATURES             Location/Qualifiers
     source          1. .22
                     /organism="Trypanosoma brucei"
                     /mol_type="genomic DNA"
                     /strain="TREU927"
                     /db_xref="taxon:5691"
                     /clone="130g02"
BASE COUNT       14 a      3 c      1 g      4 t

  Query Match             0.9%;  Score 11.4;  DB 1;  Length 22;
  Best Local Similarity   71.4%;  Pred. No. 58;
  Matches   15;  Conservative    0;  Mismatches    6;  Indels    0;  Gaps    0;

Qy       1563 TTTTTTTTACTGTTTCTGATT 1583
              || |||| | ||||| |||
Db         21 TTATTTTCAATGTTTGGTATT 1


RESULT 44
BQ588093/c
LOCUS       BQ588093                 16 bp    mRNA    linear   EST 06-DEC-2002
DEFINITION  EB012336-024-009-A19-SP6 MPIZ-ADIS-024-leaf Beta vulgaris cDNA clone
            024-009-A19 5-PRIME, mRNA sequence.
ACCESSION   BQ588093
VERSION     BQ588093.1  GI:26117675
KEYWORDS    EST.
SOURCE      Beta vulgaris
  ORGANISM  Beta vulgaris
            Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
            Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
            Caryophyllales; Amaranthaceae; Beta.
REFERENCE   1  (bases 1 to 16)
  AUTHORS   Herwig,R., Schulz,B., Weisshaar,B., Hennig,S., Steinfath,M.,
            Drungowski,M., Stahl,D., Wruck,W., Menze,A., O'Brien,J., Lehrach,H.
            and Radelof,U.
  TITLE     Construction of a 'unigene' cDNA clone set by oligonucleotide
            fingerprinting allows access to 25 000 potential sugar beet genes
  JOURNAL   Plant J. 32 (5), 845-857 (2002)
COMMENT     Contact: Weisshaar B
            ADIS DNA core facility at MPIZ
            Max-Planck-Institute for Plant Breeding Research
            Carl-von-Linne Weg 10, 50829 Koeln, Germany
            Fax: 00492215062851
            Email: weisshaa@mpiz-koeln.mpg.de
            Insert Length: 16  Std Error: 0.00
            Plate: 9  row: A  column: 19
            Seq primer: SP6; CATACGATTTAGGTGACACTATAG.
FEATURES             Location/Qualifiers
     source          1. .16
                     /organism="Beta vulgaris"
                     /mol_type="mRNA"
                     /cultivar="KWS2320 (double haploid, monogerm breeding line
                     )"
                     /db_xref="GABI:184766"
                     /db_xref="taxon:161934"
                     /clone="024-009-A19"
                     /tissue_type="leaf"
                     /lab_host="EMDH10B"
                     /clone_lib="MPIZ-ADIS-024-leaf"
                     /note="Vector: pCMVSPORT6; Site_1: SalI; Site_2: NotI;
                     cDNA library from sugar beet, library provided by KWS
                     Kleinwanzlebener Saatzucht AG Einbeck, Germany, contact:
                     b.schulz@kws.de; cloning sites SalI-NotI, primer sites and
                     orientation:
```

SP6-SalI-CCACGCGTCCG-5prime-cDNA-polyA-CC-NotI-T7; Note: Sequencing granted in the context of the GABI-Beet project , local PI: Dr. Katharina Schneider, coordinator: Prof. Christian Jung; Sequence submission managed by RZPD/GABI-Primary database:http://gabi.rzpd.de"
BASE COUNT 10 a 1 c 4 g 1 t

Query Match 0.9%; Score 11.2; DB 1; Length 16;
Best Local Similarity 81.2%; Pred. No. 26;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

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Qy        904 GGTTTCTCCTTTATTT 919
              | ||||||| || |||
Db         16 GATTTCTCCCTTTTTT 1
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RESULT 45
BQ590166/c
LOCUS BQ590166 16 bp mRNA linear EST 06-DEC-2002
DEFINITION E012844-024-019-K18-T7 MPIZ-ADIS-024-storage root Beta vulgaris cDNA clone 024-019-K18 3-PRIME, mRNA sequence.
ACCESSION BQ590166
VERSION BQ590166.1 GI:26119749
KEYWORDS EST.
SOURCE Beta vulgaris
ORGANISM Beta vulgaris
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; Caryophyllales; Amaranthaceae; Beta.
REFERENCE 1 (bases 1 to 16)
AUTHORS Herwig,R., Schulz,B., Weisshaar,B., Hennig,S., Steinfath,M., Drungowski,M., Stahl,D., Wruck,W., Menze,A., O'Brien,J., Lehrach,H. and Radelof,U.
TITLE Construction of a 'unigene' cDNA clone set by oligonucleotide fingerprinting allows access to 25 000 potential sugar beet genes
JOURNAL Plant J. 32 (5), 845-857 (2002)
COMMENT Contact: Weisshaar B
ADIS DNA core facility at MPIZ
Max-Planck-Institute for Plant Breeding Research
Carl-von-Linne Weg 10, 50829 Koeln, Germany
Fax: 00492215062851
Email: weisshaa@mpiz-koeln.mpg.de
Insert Length: 16 Std Error: 0.00
Plate: 19 row: K column: 18
Seq primer: T7; GTAATACGACTCACTATAGGGC.
FEATURES Location/Qualifiers
source 1. .16
/organism="Beta vulgaris"
/mol_type="mRNA"
/cultivar="KWS2320 (double haploid, monogerm breeding line)"
/db_xref="GABI:189955"
/db_xref="taxon:161934"
/clone="024-019-K18"
/tissue_type="storage root"
/lab_host="EMDH10B"
/clone_lib="MPIZ-ADIS-024-storage root"
/note="Vector: pCMVSPORT6; Site_1: SalI; Site_2: NotI; cDNA library from sugar beet, library provided by KWS Kleinwanzlebener Saatzucht AG Einbeck, Germany, contact: b.schulz@kws.de; cloning sites SalI-NotI, primer sites and orientation:
SP6-SalI-CCACGCGTCCG-5prime-cDNA-polyA-CC-NotI-T7; Note: Sequencing granted in the context of the GABI-Beet project , local PI: Dr. Katharina Schneider, coordinator: Prof. Christian Jung; Sequence submission managed by RZPD/GABI-Primary database: http://gabi.rzpd.de"
BASE COUNT 0 a 0 c 0 g 16 t

Query Match 0.9%; Score 11.2; DB 1; Length 16;
Best Local Similarity 81.2%; Pred. No. 26;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

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Qy        618 AAAAAACAACAAATAA 633
              |||||| || ||| ||
Db         16 AAAAAAAAAAAAAAAA 1
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RESULT 46
BQ590207/c
LOCUS BQ590207 16 bp mRNA linear EST 06-DEC-2002
DEFINITION E012843-024-019-O15-T7 MPIZ-ADIS-024-storage root Beta vulgaris cDNA clone 024-019-O15 3-PRIME, mRNA sequence.
ACCESSION BQ590207
VERSION BQ590207.1 GI:26119790
KEYWORDS EST.
SOURCE Beta vulgaris
ORGANISM Beta vulgaris
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; Caryophyllales; Amaranthaceae; Beta.
REFERENCE 1 (bases 1 to 16)
AUTHORS Herwig,R., Schulz,B., Weisshaar,B., Hennig,S., Steinfath,M., Drungowski,M., Stahl,D., Wruck,W., Menze,A., O'Brien,J., Lehrach,H. and Radelof,U.
TITLE Construction of a 'unigene' cDNA clone set by oligonucleotide fingerprinting allows access to 25 000 potential sugar beet genes
JOURNAL Plant J. 32 (5), 845-857 (2002)
COMMENT Contact: Weisshaar B
ADIS DNA core facility at MPIZ
Max-Planck-Institute for Plant Breeding Research
Carl-von-Linne Weg 10, 50829 Koeln, Germany
Fax: 00492215062851
Email: weisshaa@mpiz-koeln.mpg.de
Insert Length: 16 Std Error: 0.00
Plate: 19 row: O column: 15
Seq primer: T7; GTAATACGACTCACTATAGGGC.
FEATURES Location/Qualifiers
source 1. .16
/organism="Beta vulgaris"
/mol_type="mRNA"
/cultivar="KWS2320 (double haploid, monogerm breeding line)"
/db_xref="GABI:189913"
/db_xref="taxon:161934"
/clone="024-019-O15"
/tissue_type="storage root"
/lab_host="EMDH10B"
/clone_lib="MPIZ-ADIS-024-storage root"
/note="Vector: pCMVSPORT6; Site_1: SalI; Site_2: NotI; cDNA library from sugar beet, library provided by KWS Kleinwanzlebener Saatzucht AG Einbeck, Germany, contact: b.schulz@kws.de; cloning sites SalI-NotI, primer sites and orientation:
SP6-SalI-CCACGCGTCCG-5prime-cDNA-polyA-CC-NotI-T7; Note: Sequencing granted in the context of the GABI-Beet project , local PI: Dr. Katharina Schneider, coordinator: Prof. Christian Jung; Sequence submission managed by RZPD/GABI-Primary database: http://gabi.rzpd.de"
BASE COUNT 0 a 0 c 1 g 15 t

Query Match 0.9%; Score 11.2; DB 1; Length 16;
Best Local Similarity 81.2%; Pred. No. 26;
Matches 13; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

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Qy        617 CAAAAAACAACAAATA 632
              |||||| || ||| |
Db         16 CAAAAAAAAAAAAAAA 1
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RESULT 47
BQ590507/c
LOCUS BQ590507 16 bp mRNA linear EST 06-DEC-2002
DEFINITION E012844-024-019-M04-T7 MPIZ-ADIS-024-storage root Beta vulgaris cDNA clone 024-019-M04 3-PRIME, mRNA sequence.
ACCESSION BQ590507

```
ERSION     BQ590507.1  GI:26120090
EYWORDS    EST.
OURCE      Beta vulgaris
 ORGANISM  Beta vulgaris
           Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
           Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
           Caryophyllales; Amaranthaceae; Beta.
EFERENCE   1  (bases 1 to 16)
 AUTHORS   Herwig,R., Schulz,B., Weisshaar,B., Hennig,S., Steinfath,M.,
           Drungowski,M., Stahl,D., Wruck,W., Menze,A., O'Brien,J., Lehrach,H.
           and Radelof,U.
 TITLE     Construction of a 'unigene' cDNA clone set by oligonucleotide
           fingerprinting allows access to 25 000 potential sugar beet genes
 JOURNAL   Plant J. 32 (5), 845-857 (2002)
OMMENT     Contact: Weisshaar B
           ADIS DNA core facility at MPIZ
           Max-Planck-Institute for Plant Breeding Research
           Carl-von-Linne Weg 10, 50829 Koeln, Germany
           Fax: 00492215062851
           Email: weisshaa@mpiz-koeln.mpg.de
           Insert Length: 16   Std Error: 0.00
           Plate: 19  row: M  column: 04
           Seq primer: T7; GTAATACGACTCACTATAGGGC.
EATURES              Location/Qualifiers
     source          1. .16
                     /organism="Beta vulgaris"
                     /mol_type="mRNA"
                     /cultivar="KWS2320 (double haploid, monogerm breeding line
                     )"
                     /db_xref="GABI:189608"
                     /db_xref="taxon:161934"
                     /clone="024-019-M04"
                     /tissue_type="storage root"
                     /lab_host="EMDH10B"
                     /clone_lib="MPIZ-ADIS-024-storage root"
                     /note="Vector: pCMVSPORT6; Site_1: SalI; Site_2: NotI;
                     cDNA library from sugar beet, library provided by KWS
                     Kleinwanzlebener Saatzucht AG Einbeck, Germany, contact:
                     b.schulz@kws.de; cloning sites SalI-NotI, primer sites and
                     orientation:
                     SP6-SalI-CCACGCGTCCG-5prime-cDNA-polyA-CC-NotI-T7;  Note:
                     Sequencing granted in the context of the GABI-Beet project
                     , local PI: Dr. Katharina Schneider, coordinator: Prof.
                     Christian Jung;  Sequence submission managed by
                     RZPD/GABI-Primary database: http://gabi.rzpd.de"
ASE COUNT        1 a      0 c      0 g     15 t

 Query Match              0.9%;  Score 11.2;  DB 1;  Length 16;
 Best Local Similarity   81.2%;  Pred. No. 26;
 Matches   13;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Y         615 TACAAAAAACAACAAA 630
              || |||||| || |||
D          16 TAAAAAAAAAAAAAAA 1


ESULT 48
Q592600
OCUS       BQ592600                 16 bp    mRNA    linear   EST 06-DEC-2002
EFINITION  S013686-024-028-F08-SP6R MPIZ-ADIS-024-developing root Beta
           vulgaris cDNA clone 024-028-F08 5-PRIME, mRNA sequence.
CCESSION   BQ592600
ERSION     BQ592600.1  GI:26122183
EYWORDS    EST.
OURCE      Beta vulgaris
 ORGANISM  Beta vulgaris
           Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
           Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
           Caryophyllales; Amaranthaceae; Beta.
EFERENCE   1  (bases 1 to 16)
 AUTHORS   Herwig,R., Schulz,B., Weisshaar,B., Hennig,S., Steinfath,M.,
           Drungowski,M., Stahl,D., Wruck,W., Menze,A., O'Brien,J., Lehrach,H.
           and Radelof,U.
 TITLE     Construction of a 'unigene' cDNA clone set by oligonucleotide
           fingerprinting allows access to 25 000 potential sugar beet genes
 JOURNAL   Plant J. 32 (5), 845-857 (2002)
COMMENT    Contact: Weisshaar B
           ADIS DNA core facility at MPIZ
           Max-Planck-Institute for Plant Breeding Research
           Carl-von-Linne Weg 10, 50829 Koeln, Germany
           Fax: 00492215062851
           Email: weisshaa@mpiz-koeln.mpg.de
           Insert Length: 16   Std Error: 0.00
           Plate: 28  row: F  column: 08
           Seq primer: SP6r; ATTTAGGTGACACTATAGAAGA.
FEATURES             Location/Qualifiers
     source          1. .16
                     /organism="Beta vulgaris"
                     /mol_type="mRNA"
                     /cultivar="KWS2320 (double haploid, monogerm breeding line
                     )"
                     /db_xref="GABI:194262"
                     /db_xref="taxon:161934"
                     /clone="024-028-F08"
                     /tissue_type="developing root"
                     /lab_host="EMDH10B"
                     /clone_lib="MPIZ-ADIS-024-developing root"
                     /note="Vector: pCMVSPORT6; Site_1: SalI; Site_2: NotI;
                     cDNA library from sugar beet, library provided by KWS
                     Kleinwanzlebener Saatzucht AG Einbeck, Germany, contact:
                     b.schulz@kws.de; cloning sites SalI-NotI, primer sites and
                     orientation:
                     SP6-SalI-CCACGCGTCCG-5prime-cDNA-polyA-CC-NotI-T7;  Note:
                     Sequencing granted in the context of the GABI-Beet project
                     , local PI: Dr. Katharina Schneider, coordinator: Prof.
                     Christian Jung;  Sequence submission managed by
                     RZPD/GABI-Primary database: http://gabi.rzpd.de"
BASE COUNT       16 a      0 c      0 g      0 t

  Query Match              0.9%;  Score 11.2;  DB 1;  Length 16;
  Best Local Similarity   81.2%;  Pred. No. 26;
  Matches   13;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        618 AAAAAACAACAAATAA 633
              |||||| || ||| ||
Db          1 AAAAAAAAAAAAAAAA 16


RESULT 49
BQ592965/c
LOCUS      BQ592965                 16 bp    mRNA    linear   EST 06-DEC-2002
DEFINITION S013324-024-028-A01-T7 MPIZ-ADIS-024-developing root Beta vulgaris
           cDNA clone 024-028-A01 3-PRIME, mRNA sequence.
ACCESSION  BQ592965
VERSION    BQ592965.1  GI:26122548
KEYWORDS   EST.
SOURCE     Beta vulgaris
  ORGANISM Beta vulgaris
           Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
           Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
           Caryophyllales; Amaranthaceae; Beta.
REFERENCE  1  (bases 1 to 16)
  AUTHORS  Herwig,R., Schulz,B., Weisshaar,B., Hennig,S., Steinfath,M.,
           Drungowski,M., Stahl,D., Wruck,W., Menze,A., O'Brien,J., Lehrach,H.
           and Radelof,U.
  TITLE    Construction of a 'unigene' cDNA clone set by oligonucleotide
           fingerprinting allows access to 25 000 potential sugar beet genes
  JOURNAL  Plant J. 32 (5), 845-857 (2002)
COMMENT    Contact: Weisshaar B
           ADIS DNA core facility at MPIZ
           Max-Planck-Institute for Plant Breeding Research
           Carl-von-Linne Weg 10, 50829 Koeln, Germany
           Fax: 00492215062851
           Email: weisshaa@mpiz-koeln.mpg.de
           Insert Length: 16   Std Error: 0.00
           Plate: 28  row: A  column: 01
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```
            Seq primer: T7; GTAATACGACTCACTATAGGGC.
FEATURES              Location/Qualifiers
     source           1. .16
                      /organism="Beta vulgaris"
                      /mol_type="mRNA"
                      /cultivar="KWS2320 (double haploid, monogerm breeding line
                      )"
                      /db_xref="GABI:193895"
                      /db_xref="taxon:161934"
                      /clone="024-028-A01"
                      /tissue_type="developing root"
                      /lab_host="EMDH10B"
                      /clone_lib="MPIZ-ADIS-024-developing root"
                      /note="Vector: pCMVSPORT6; Site_1: SalI; Site_2: NotI;
                      cDNA library from sugar beet, library provided by KWS
                      Kleinwanzlebener Saatzucht AG Einbeck, Germany, contact:
                      b.schulz@kws.de; cloning sites SalI-NotI, primer sites and
                      orientation:
                      SP6-SalI-CCACGCGTCCG-5prime-cDNA-polyA-CC-NotI-T7;  Note:
                      Sequencing granted in the context of the GABI-Beet project
                      , local PI: Dr. Katharina Schneider, coordinator: Prof.
                      Christian Jung;  Sequence submission managed by
                      RZPD/GABI-Primary database: http://gabi.rzpd.de"
BASE COUNT        0 a      0 c      0 g     16 t

  Query Match             0.9%;  Score 11.2;  DB 1;  Length 16;
  Best Local Similarity   81.2%;  Pred. No. 26;
  Matches   13;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        618 AAAAAACAACAAATAA 633
              ||||||  ||  |||  ||
Db         16 AAAAAAAAAAAAAAAA 1


RESULT 50
BQ595369/c
LOCUS       BQ595369                 16 bp    mRNA    linear   EST 06-DEC-2002
DEFINITION  S013317-024-022-P02-T7 MPIZ-ADIS-024-developing root Beta vulgaris
            cDNA clone 024-022-P02 3-PRIME, mRNA sequence.
ACCESSION   BQ595369
VERSION     BQ595369.1  GI:26124952
KEYWORDS    EST.
SOURCE      Beta vulgaris
  ORGANISM  Beta vulgaris
            Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
            Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
            Caryophyllales; Amaranthaceae; Beta.
REFERENCE   1  (bases 1 to 16)
  AUTHORS   Herwig,R., Schulz,B., Weisshaar,B., Hennig,S., Steinfath,M.,
            Drungowski,M., Stahl,D., Wruck,W., Menze,A., O'Brien,J., Lehrach,H.
            and Radelof,U.
  TITLE     Construction of a 'unigene' cDNA clone set by oligonucleotide
            fingerprinting allows access to 25 000 potential sugar beet genes
  JOURNAL   Plant J. 32 (5), 845-857 (2002)
COMMENT     Contact: Weisshaar B
            ADIS DNA core facility at MPIZ
            Max-Planck-Institute for Plant Breeding Research
            Carl-von-Linne Weg 10, 50829 Koeln, Germany
            Fax: 00492215062851
            Email: weisshaa@mpiz-koeln.mpg.de
            Insert Length: 16   Std Error: 0.00
            Plate: 22  row: P  column: 02
            Seq primer: T7; GTAATACGACTCACTATAGGGC.
FEATURES              Location/Qualifiers
     source           1. .16
                      /organism="Beta vulgaris"
                      /mol_type="mRNA"
                      /cultivar="KWS2320 (double haploid, monogerm breeding line
                      )"
                      /db_xref="GABI:191489"
                      /db_xref="taxon:161934"
                      /clone="024-022-P02"
                      /tissue_type="developing root"
                      /lab_host="EMDH10B"
                      /clone_lib="MPIZ-ADIS-024-developing root"
                      /note="Vector: pCMVSPORT6; Site_1: SalI; Site_2: NotI;
                      cDNA library from sugar beet, library provided by KWS
                      Kleinwanzlebener Saatzucht AG Einbeck, Germany, contact:
                      b.schulz@kws.de; cloning sites SalI-NotI, primer sites and
                      orientation:
                      SP6-SalI-CCACGCGTCCG-5prime-cDNA-polyA-CC-NotI-T7;  Note:
                      Sequencing granted in the context of the GABI-Beet project
                      , local PI: Dr. Katharina Schneider, coordinator: Prof.
                      Christian Jung;  Sequence submission managed by
                      RZPD/GABI-Primary database: http://gabi.rzpd.de"
BASE COUNT        1 a      0 c      0 g     15 t

  Query Match             0.9%;  Score 11.2;  DB 1;  Length 16;
  Best Local Similarity   81.2%;  Pred. No. 26;
  Matches   13;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        615 TACAAAAAACAACAAA 630
              ||  ||||||  ||  |||
Db         16 TAAAAAAAAAAAAAAA 1


RESULT 51
BQ595717
LOCUS       BQ595717                 16 bp    mRNA    linear   EST 06-DEC-2002
DEFINITION  E012692-024-022-H07-SP6 MPIZ-ADIS-024-developing root Beta vulgaris
            cDNA clone 024-022-H07 5-PRIME, mRNA sequence.
ACCESSION   BQ595717
VERSION     BQ595717.1  GI:26125300
KEYWORDS    EST.
SOURCE      Beta vulgaris
  ORGANISM  Beta vulgaris
            Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
            Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
            Caryophyllales; Amaranthaceae; Beta.
REFERENCE   1  (bases 1 to 16)
  AUTHORS   Herwig,R., Schulz,B., Weisshaar,B., Hennig,S., Steinfath,M.,
            Drungowski,M., Stahl,D., Wruck,W., Menze,A., O'Brien,J., Lehrach,H.
            and Radelof,U.
  TITLE     Construction of a 'unigene' cDNA clone set by oligonucleotide
            fingerprinting allows access to 25 000 potential sugar beet genes
  JOURNAL   Plant J. 32 (5), 845-857 (2002)
COMMENT     Contact: Weisshaar B
            ADIS DNA core facility at MPIZ
            Max-Planck-Institute for Plant Breeding Research
            Carl-von-Linne Weg 10, 50829 Koeln, Germany
            Fax: 00492215062851
            Email: weisshaa@mpiz-koeln.mpg.de
            Insert Length: 16   Std Error: 0.00
            Plate: 22  row: H  column: 07
            Seq primer: SP6; CATACGATTTAGGTGACACTATAG.
FEATURES              Location/Qualifiers
     source           1. .16
                      /organism="Beta vulgaris"
                      /mol_type="mRNA"
                      /cultivar="KWS2320 (double haploid, monogerm breeding line
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                      /db_xref="GABI:191134"
                      /db_xref="taxon:161934"
                      /clone="024-022-H07"
                      /tissue_type="developing root"
                      /lab_host="EMDH10B"
                      /clone_lib="MPIZ-ADIS-024-developing root"
                      /note="Vector: pCMVSPORT6; Site_1: SalI; Site_2: NotI;
                      cDNA library from sugar beet, library provided by KWS
                      Kleinwanzlebener Saatzucht AG Einbeck, Germany, contact:
                      b.schulz@kws.de; cloning sites SalI-NotI, primer sites and
                      orientation:
                      SP6-SalI-CCACGCGTCCG-5prime-cDNA-polyA-CC-NotI-T7;  Note:
                      Sequencing granted in the context of the GABI-Beet project
                      , local PI: Dr. Katharina Schneider, coordinator: Prof.
                      Christian Jung;  Sequence submission managed by
```

```
                RZPD/GABI-Primary database: http://gabi.rzpd.de"
BASE COUNT      16 a      0 c      0 g      0 t

  Query Match             0.9%;  Score 11.2;  DB 1;  Length 16;
  Best Local Similarity   81.2%;  Pred. No. 26;
  Matches   13;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       618 AAAAAACAACAAATAA 633
             |||||| || ||| ||
Db         1 AAAAAAAAAAAAAAAA 16


RESULT 52
AW247949/c
LOCUS       AW247949                 17 bp    mRNA    linear   EST 07-JAN-2000
DEFINITION  2820605.3prime NIH_MGC_7 Homo sapiens cDNA clone IMAGE:2820605 3',
            mRNA sequence.
ACCESSION   AW247949
VERSION     AW247949.1  GI:6591037
KEYWORDS    EST.
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   NIH-MGC http://mgc.nci.nih.gov/.
  TITLE     National Institutes of Health, Mammalian Gene Collection (MGC)
  JOURNAL   Unpublished
COMMENT     Other_ESTs: 2820605.5prime
            Contact: Robert Strausberg, Ph.D.
            Email: cgapbs-r@mail.nih.gov
            Tissue Procurement: DCTD/DTP cDNA Library Preparation: Ling
            Hong/Rubin Laboratory cDNA Library Arrayed by: The I.M.A.G.E.
            Consortium (LLNL) DNA Sequencing by: Berkeley MGC sequencing
            project Clone distribution: MGC clone distribution information can
            be found through the I.M.A.G.E. Consortium/LLNL at:
            www-bio.llnl.gov/bbrp/image/image.html Base Calling / Quality
            Scores: PHRED from University of Washington Genome Center. Vector
            Trimming: cross_match from University of Washington Genome Center
            PHRAP suite. Poly-T Identification: patMatch.pl from Berkeley
            Drosophila Genome Project. University of Washington Genome Center:
            http://www.genome.washington.edu Low Quality Sequence: 0 contiguous
            PHRED high quality bases following vector sequence. Very Low
            Quality Sequence: Trace file contained 17 contiguous distinct peaks
            following vector sequence. Polyadenylation: Based upon the presence
            of a XhoI site followed by a run of 14 or more T residues at the
            beginning of the sequence, this cDNA insert was polyadenylated.
            Plate: LLCM4  row: K  column: 6.
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Homo sapiens"
                     /mol_type="mRNA"
                     /db_xref="taxon:9606"
                     /clone="IMAGE:2820605"
                     /tissue_type="small cell carcinoma"
                     /cell_line="MGC3"
                     /lab_host="DH10B (phage-resistant)"
                     /clone_lib="NIH_MGC_7"
                     /note="Organ: lung; Vector: pOTB7; Site_1: XhoI; Site_2:
                     EcoRI; cDNA made by oligo-dT priming.  Directionally
                     cloned into EcoRI/XhoI sites using the following 5'
                     adaptor: GGCACGAG(G).  Size-selected >500bp for average
                     insert size 1.8kb.  Library constructed by Ling Hong in
                     the laboratory of Gerald M. Rubin (University of
                     California, Berkeley) using  ZAP-cDNA synthesis kit
                     (Stratagene) and Superscript II RT (Life Technologies)."
ASE COUNT       1 a      1 c      0 g     15 t

 Query Match             0.9%;  Score 11.2;  DB 1;  Length 17;
 Best Local Similarity   81.2%;  Pred. No. 33;
 Matches   13;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy      1596 AAAAGTAAATATGAAA 1611
             |||||||| | |  |||
Db        16 AAAAGTAAAAAAAAAA 1


RESULT 53
AW248574
LOCUS       AW248574                 17 bp    mRNA    linear   EST 07-JAN-2000
DEFINITION  2821096.3prime NIH_MGC_7 Homo sapiens cDNA clone IMAGE:2821096 3',
            mRNA sequence.
ACCESSION   AW248574
VERSION     AW248574.1  GI:6591567
KEYWORDS    EST.
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE   1  (bases 1 to 17)
  AUTHORS   NIH-MGC http://mgc.nci.nih.gov/.
  TITLE     National Institutes of Health, Mammalian Gene Collection (MGC)
  JOURNAL   Unpublished
COMMENT     Other_ESTs: 2821096.5prime
            Contact: Robert Strausberg, Ph.D.
            Email: cgapbs-r@mail.nih.gov
            Tissue Procurement: DCTD/DTP cDNA Library Preparation: Ling
            Hong/Rubin Laboratory cDNA Library Arrayed by: The I.M.A.G.E.
            Consortium (LLNL) DNA Sequencing by: Berkeley MGC sequencing
            project Clone distribution: MGC clone distribution information can
            be found through the I.M.A.G.E. Consortium/LLNL at:
            www-bio.llnl.gov/bbrp/image/image.html Base Calling / Quality
            Scores: PHRED from University of Washington Genome Center. Vector
            Trimming: cross_match from University of Washington Genome Center
            PHRAP suite. Poly-T Identification: patMatch.pl from Berkeley
            Drosophila Genome Project. University of Washington Genome Center:
            http://www.genome.washington.edu Low Quality Sequence: 8 contiguous
            PHRED high quality bases following vector sequence. Very Low
            Quality Sequence: Trace file contained 17 contiguous distinct peaks
            following vector sequence. Polyadenylation: Based upon the presence
            of a XhoI site followed by a run of 14 or more T residues at the
            beginning of the sequence, this cDNA insert was polyadenylated.
            Plate: LLCM5  row: O  column: 17
            High quality sequence stop: 8.
FEATURES             Location/Qualifiers
     source          1. .17
                     /organism="Homo sapiens"
                     /mol_type="mRNA"
                     /db_xref="taxon:9606"
                     /clone="IMAGE:2821096"
                     /tissue_type="small cell carcinoma"
                     /cell_line="MGC3"
                     /lab_host="DH10B (phage-resistant)"
                     /clone_lib="NIH_MGC_7"
                     /note="Organ: lung; Vector: pOTB7; Site_1: XhoI; Site_2:
                     EcoRI; cDNA made by oligo-dT priming.  Directionally
                     cloned into EcoRI/XhoI sites using the following 5'
                     adaptor: GGCACGAG(G).  Size-selected >500bp for average
                     insert size 1.8kb.  Library constructed by Ling Hong in
                     the laboratory of Gerald M. Rubin (University of
                     California, Berkeley) using  ZAP-cDNA synthesis kit
                     (Stratagene) and Superscript II RT (Life Technologies)."
BASE COUNT      0 a      0 c      1 g     16 t

  Query Match             0.9%;  Score 11.2;  DB 1;  Length 17;
  Best Local Similarity   81.2%;  Pred. No. 33;
  Matches   13;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy      1564 TTTTTTTACTGTTTCT 1579
             |||||||  ||||| |
Db         1 TTTTTTTTTTGTTTTT 16


RESULT 54
AZ489065
LOCUS       AZ489065                 20 bp    DNA     linear   GSS 05-OCT-2000
```

```
DEFINITION  1M0319I10R Mouse 10kb plasmid UUGC1M library Mus musculus genomic
            clone UUGC1M0319I10 R, genomic survey sequence.
ACCESSION   AZ489065
VERSION     AZ489065.1  GI:10658451
KEYWORDS    GSS.
SOURCE      Mus musculus (house mouse)
  ORGANISM  Mus musculus
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE   1  (bases 1 to 20)
  AUTHORS   Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
            Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly
            ,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A.
            and Wright,D.,Weiss,R.
  TITLE     Mouse whole genome scaffolding with paired end reads from 10kb
            plasmid inserts
  JOURNAL   Unpublished
COMMENT     Contact: Robert B. Weiss
            University of Utah Genome Center
            University of Utah
            Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
            84112, USA
            Tel: 801 585 5606
            Fax: 801 585 7177
            Email: ddunn@genetics.utah.edu
            Insert Length: 10000   Std Error: 0.00
            Plate: 0319  row: I  column: 10
            Seq primer: CACACAGGAAACAGCTATGACC
            Class: plasmid ends
            High quality sequence stop: 20.
FEATURES             Location/Qualifiers
     source          1. .20
                     /organism="Mus musculus"
                     /mol_type="genomic DNA"
                     /strain="C57BL/6J"
                     /db_xref="taxon:10090"
                     /clone="UUGC1M0319I10"
                     /sex="Male"
                     /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
                     /clone_lib="Mouse 10kb plasmid UUGC1M library"
                     /note="Vector: PWD42nv; Purified genomic DNA from M.
                     musculus C57BL/6J (male) was obtained  from the Jackson
                     Laboratory Mouse DNA Resource
                     (http://www.jax.org/resources/documents/dnares/). The DNA
                     was hydrodynamically sheared by repeated passage through a
                     0.005 inch orifice at constant velocity. The sheared DNA
                     was blunt end-repaired with T4 DNA polymerase and T4
                     polynucleotide kinase. Adaptor oligonucleotides were
                     ligated to the blunt ends in high  molar excess. The
                     adaptored DNA was purified and size-selected for a 9.5 to
                     10.5 kb range using preparative agarose gel
                     electrophoresis. Vector DNA was prepared from a derivative
                     of pWD42 (gi|4732114|gb|AF129072.1), a copy-number
                     inducible derivative of plasmid R1. The vector was ligated
                     with adaptors complementary to the insert adaptors and
                     purified. The sheared, adaptored mouse DNA was annealed to
                     adaptored vector DNA, and transformed into
                     chemically-competent E. coli XL10-Gold (Stratagene) cells
                     and selected for ampicillin resistance."
BASE COUNT       10 a      2 c      1 g      7 t

  Query Match             0.9%;  Score 11.2;  DB 1;  Length 20;
  Best Local Similarity   81.2%;  Pred. No. 53;
  Matches   13;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1174 TATTAGATAAATTTCA 1189
              ||||| |||| ||| |
Db          5 TATTAAATAAGTTTAA 20


RESULT 55
AZ663032/c
LOCUS       AZ663032                 19 bp    DNA     linear   GSS 14-DEC-2000
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DEFINITION  1M0542M22F Mouse 10kb plasmid UUGC1M library Mus musculus genomic
            clone UUGC1M0542M22 F, genomic survey sequence.
ACCESSION   AZ663032
VERSION     AZ663032.1  GI:11800178
KEYWORDS    GSS.
SOURCE      Mus musculus (house mouse)
  ORGANISM  Mus musculus
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE   1  (bases 1 to 19)
  AUTHORS   Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
            Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly
            ,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A.
            and Wright,D.,Weiss,R.
  TITLE     Mouse whole genome scaffolding with paired end reads from 10kb
            plasmid inserts
  JOURNAL   Unpublished
COMMENT     Contact: Robert B. Weiss
            University of Utah Genome Center
            University of Utah
            Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
            84112, USA
            Tel: 801 585 5606
            Fax: 801 585 7177
            Email: ddunn@genetics.utah.edu
            Insert Length: 10000   Std Error: 0.00
            Plate: 0542  row: M  column: 22
            Seq primer: CGTTGTAAAACGACGGCCAGT
            Class: plasmid ends
            High quality sequence stop: 19.
FEATURES             Location/Qualifiers
     source          1. .19
                     /organism="Mus musculus"
                     /mol_type="genomic DNA"
                     /strain="C57BL/6J"
                     /db_xref="taxon:10090"
                     /clone="UUGC1M0542M22"
                     /sex="Male"
                     /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
                     /clone_lib="Mouse 10kb plasmid UUGC1M library"
                     /note="Vector: PWD42nv; Purified genomic DNA from M.
                     musculus C57BL/6J (male) was obtained  from the Jackson
                     Laboratory Mouse DNA Resource
                     (http://www.jax.org/resources/documents/dnares/). The DNA
                     was hydrodynamically sheared by repeated passage through a
                     0.005 inch orifice at constant velocity. The sheared DNA
                     was blunt end-repaired with T4 DNA polymerase and T4
                     polynucleotide kinase. Adaptor oligonucleotides were
                     ligated to the blunt ends in high  molar excess. The
                     adaptored DNA was purified and size-selected for a 9.5 to
                     10.5 kb range using preparative agarose gel
                     electrophoresis. Vector DNA was prepared from a derivative
                     of pWD42 (gi|4732114|gb|AF129072.1), a copy-number
                     inducible derivative of plasmid R1. The vector was ligated
                     with adaptors complementary to the insert adaptors and
                     purified. The sheared, adaptored mouse DNA was annealed to
                     adaptored vector DNA, and transformed into
                     chemically-competent E. coli XL10-Gold (Stratagene) cells
                     and selected for ampicillin resistance."
BASE COUNT        5 a      3 c      1 g      10 t

  Query Match             0.9%;  Score 11;  DB 1;  Length 19;
  Best Local Similarity   73.7%;  Pred. No. 51;
  Matches   14;  Conservative    0;  Mismatches    5;  Indels    0;  Gaps    0;

Qy       1100 AGATGAATCATTGATTGAA 1118
              | ||||||  || ||| | |
Db         19 ACATGAATAATAGATAGTA 1


RESULT 56
AW250976
LOCUS       AW250976                 15 bp    mRNA    linear   EST 07-JAN-2000
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```
EFINITION  2822229.3prime NIH_MGC_7 Homo sapiens cDNA clone IMAGE:2822229 3',
           mRNA sequence.
CCESSION   AW250976
ERSION     AW250976.1  GI:6594065
EYWORDS    EST.
OURCE      Homo sapiens (human)
 ORGANISM  Homo sapiens
           Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
           Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
EFERENCE   1  (bases 1 to 15)
 AUTHORS   NIH-MGC http://mgc.nci.nih.gov/.
 TITLE     National Institutes of Health, Mammalian Gene Collection (MGC)
 JOURNAL   Unpublished
OMMENT     Other_ESTs: 2822229.5prime
           Contact: Robert Strausberg, Ph.D.
           Email: cgapbs-r@mail.nih.gov
           Tissue Procurement: DCTD/DTP cDNA Library Preparation: Ling
           Hong/Rubin Laboratory cDNA Library Arrayed by: The I.M.A.G.E.
           Consortium (LLNL) DNA Sequencing by: Berkeley MGC sequencing
           project Clone distribution: MGC clone distribution information can
           be found through the I.M.A.G.E. Consortium/LLNL at:
           www-bio.llnl.gov/bbrp/image/image.html Base Calling / Quality
           Scores: PHRED from University of Washington Genome Center. Vector
           Trimming: cross_match from University of Washington Genome Center
           PHRAP suite. Poly-T Identification: patMatch.pl from Berkeley
           Drosophila Genome Project. University of Washington Genome Center:
           http://www.genome.washington.edu Low Quality Sequence: 11
           contiguous PHRED high quality bases following vector sequence. Very
           Low Quality Sequence: Trace file contained 15 contiguous distinct
           peaks following vector sequence. Polyadenylation: Based upon the
           presence of a XhoI site followed by a run of 14 or more T residues
           at the beginning of the sequence, this cDNA insert was
           polyadenylated.
           Plate: LLCM8  row: N  column: 22
           High quality sequence stop: 11.
EATURES              Location/Qualifiers
    source           1. .15
                     /organism="Homo sapiens"
                     /mol_type="mRNA"
                     /db_xref="taxon:9606"
                     /clone="IMAGE:2822229"
                     /tissue_type="small cell carcinoma"
                     /cell_line="MGC3"
                     /lab_host="DH10B (phage-resistant)"
                     /clone_lib="NIH_MGC_7"
                     /note="Organ: lung; Vector: pOTB7; Site_1: XhoI; Site_2:
                     EcoRI; cDNA made by oligo-dT priming.  Directionally
                     cloned into EcoRI/XhoI sites using the following 5'
                     adaptor: GGCACGAG(G).  Size-selected >500bp for average
                     insert size 1.8kb.  Library constructed by Ling Hong in
                     the laboratory of Gerald M. Rubin (University of
                     California, Berkeley) using  ZAP-cDNA synthesis kit
                     (Stratagene) and Superscript II RT (Life Technologies)."
ASE COUNT        2 a      1 c      1 g     11 t

 Query Match             0.9%;  Score 10.8;  DB 1;  Length 15;
 Best Local Similarity   85.7%;  Pred. No. 25;
 Matches   12;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

r       1238 TTTTCATTTCAGAT 1251
             ||||  ||||||||
>          2 TTTTTTTTTCAGAT 15


earch completed: December 18, 2003, 07:29:09
ob time : 1 secs
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